# HITACHI

# SERVICE MANUAL

NTSC

DP14G DP17 Chassis

PA No. 0147

53SWX10B 43UWX10B
53SWX12B 53UWX10B
61SWX10B 61UWX10B
61SWX12B

R/C: CLU-5711TSI
CLU-5713TSI

TO GO TO A CHAPTER, CLICK ON ITS HEADING

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**CAUTION:** These servicing instructions are for use by qualified service personnel only. To reduce the risk of electric shock do not perform any servicing other than that contained in the operating instructions unless you are qualified to do so. Before servicing this chassis, it is important that the service technician read the “IMPORTANT SAFETY INSTRUCTIONS” in this service manual.

**SAFETY NOTICE**
**USE ISOLATION TRANSFORMER WHEN SERVICING**

Components having special safety characteristics are identified by a ⚠ on the schematics and on the parts list in this Service Data and its supplements and bulletins. Before servicing the chassis, it is important that the service technician read and follow the “Important Safety Instructions” in this Service Manual.

**SPECIFICATIONS AND PARTS ARE SUBJECT TO CHANGE FOR IMPROVEMENT**

# PROJECTION COLOR TELEVISION


JUNE 2001 HHEA-MANUFACTURING DIVISION

## IMPORTANT SAFETY INSTRUCTIONS
## USE ISOLATION TRANSFORMER WHEN SERVICING

Components having special safety characteristics are identified by a ⚠ on the schematics and on the parts list in this service manual and its supplements and bulletins. Before servicing this chassis, it is important that the service technician read and follow the “Important Safety Instructions” in this Service Manual.

For continued X-Radiation protection, replace picture tube with original type or Hitachi approved equivalent type.

This Service Manual is intended for qualified service technicians; it is not meant for the casual do-it-yourselfer. Qualified technicians have the necessary test equipment and tools, and have been trained to properly and safely repair complex products such as those covered by this manual.
Improperly performed repairs can adversely affect the safety and reliability of the product and may void warranty. If you are not qualified to perform the repair of this product properly and safely, you should not risk trying to do so and refer the repair to a qualified service technician.

## WARNING

Lead in solder used in this product is listed by the California Health and Welfare agency as a known reproductive toxicant which may cause birth defects or other reproductive harm (California Health and Safety Code, Section 25249.5).

When servicing or handling circuit boards and other components which contain lead in solder, avoid unprotected skin contact with solder. Also, when soldering do not inhale any smoke or fumes produced.

This television receiver provides display of television closed captioning in accordance with section 15.119 of the FCC rules.

## FEDERAL COMMUNICATIONS COMMISSION NOTICE

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- ¥ Reorient or relocate the receiving antenna.
- ¥ Increase the separation between the equipment and the receiver.
- ¥ Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- ¥ Consult the dealer or an experienced radio/television technician for help.

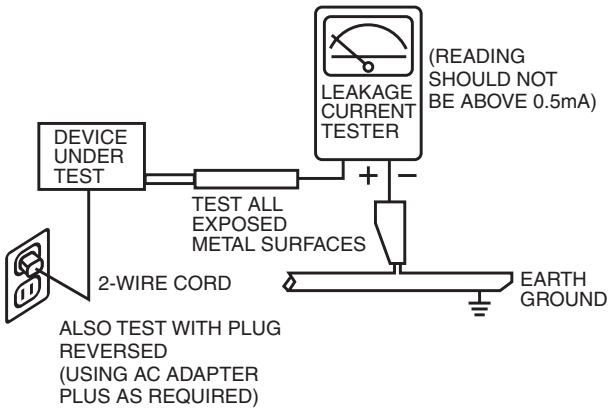
# IMPORTANT SAFETY INSTRUCTION

1. Before returning an instrument to the customer, always make a safety check of the entire instrument, including but not limited to the following items.
   a. Be sure that no built-in protective devices are defective and/or have been deleted during servicing. (1) Protective shields are provided on this chassis to protect both the technician and the customer. Correctly replace all missing protective shields, including any removed for servicing convenience. (2) When reinstalling the chassis and/or other assembly in the cabinet, be sure to put back in place all protective devices, including but not limited to, nonmetallic control knobs, insulating fishpaper, adjustment and compartment covers/shields, and isolation resistor/capacitor networks. **Do not operate this instrument or permit it to be operated without all protective devices correctly installed and functioning. Servicers who defeat safety features or fail to perform safety checks may be liable for any resulting damage.**

   b. Be sure that there are no cabinet openings through which an adult or child might be able to insert their fingers and contact a hazardous voltage. Such openings include, but are not limited to (1) spacing between the picture tube and cabinet mask, (2) excessively wide cabinet ventilation slots, and (3) an improperly fitted and/or incorrectly secured cabinet back cover.

   c. **Antenna Cold Check** —With the instrument AC plug removed from any AC source, connect an electrical jumper across the two AC plug prongs. Place the instrument AC switch in the on position. Connect one lead of an ohmmeter to the AC plug prongs tied together and touch the other ohmmeter lead in turn to each tuner antenna input, exposed terminal screw and, if applicable, to the coaxial connector. If the measured resistance is less than 1.0 megohms or greater than 5.2 megohms, an abnormality exists that must be corrected before the instrument is returned to the customer. Repeat this test with the instrument AC switch in the off position.

   d. **Leakage Current Hot Check** —With the instrument completely reassembled, plug the AC line cord directly into a 120V AC outlet. (Do not use an isolation transformer during this test.) Use a leakage current tester or a metering system that complies with American National Standards Institute (ANSI) C101.0 Leakage Current for Appliances and Underwriters Laboratories (UL) 1410, (50.7). With the instrument AC switch first in the on position and then in the off position, measure from a known earth ground (metal waterpipe, conduit, etc.) to all exposed metal parts of the instrument (antennas, handle bracket, metal cabinet, screw heads, metallic overlays, control shafts, etc.), especially any exposed metal parts that offer an electrical return path to the chassis. Any current measured must not exceed 0.5 milliamps. Reverse the instrument power cord plug in the outlet and repeat test.



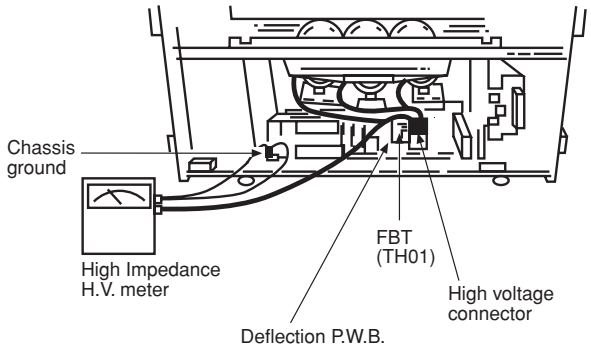

**AC Leakage Test**

**ANY MEASUREMENTS NOT WITHIN THE LIMITS SPECIFIED HEREIN INDICATE A POTENTIAL SHOCK HAZARD THAT MUST BE ELIMINATED BEFORE RETURNING THE INSTRUMENT TO THE CUSTOMER OR BEFORE CONNECTING THE ANTENNA OR ACCESSORIES.**

e. **High Voltage —** This receiver is provided with a hold down circuit for clearly indicating that voltage has increased in excess of a predetermined value. Comply will all notes described in this Service Manual regarding this hold down circuit when servicing, so that this hold down circuit may correctly be operated.

f. **Service Warning —** With maximum contrast, operating high voltage in this receiver is lower than **31.5 kV.** In case any component having influence on high voltage is replaced, confirm that the high voltage with maximum contrast is lower than **31.5 kV.**
To measure H.V. use a high impedance H.V. meter. Connect (-) to chassis earth and (+) to the CRT anode button. (See the following connection diagram.)

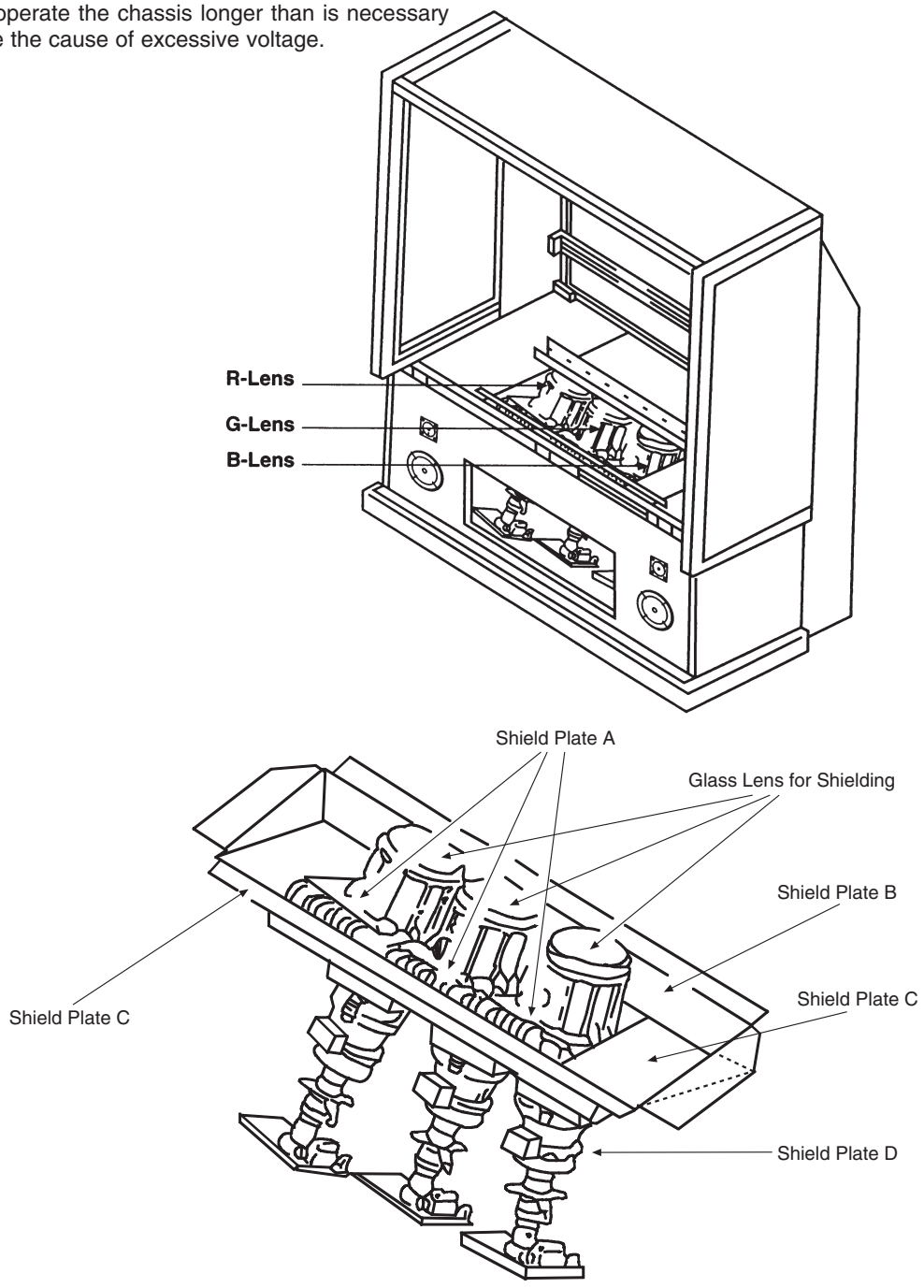
**Note:** Turn power switch off without fail before the connection to the anode button is made.



# IMPORTANT SAFETY INSTRUCTIONS

g. **X-radiation – TUBE:** The primary source of X-radiation in this receiver is the picture tube. The tube utilized for the above mentioned function in this chassis is specially constructed to limit X-radiation emissions.
For continued X-radiation protection, the replacement tube must be the same type as the original, Hitachi approved type.
When troubleshooting and making test measurements in a receiver with a problem of excessive high voltage, avoid being unnecessarily close to the picture tube and the high voltage component.
Do not operate the chassis longer than is necessary to locate the cause of excessive voltage.

h. **X-radiation Shield –**
1. This receiver is provided with X-ray shield plates for protection against X-radiation. Do not remove X-ray shield plates A, B, or C shown in Fig. 1 unnecessarily, when troubleshooting and/or making test measurements.
2. To prevent X-radiation, after replacement of picture tube and lens, confirm these components to be fixed correctly to bracket and cabinet, and not to be taken off easily.




**Detailing X-radiation shield**

**Fig. 1. Installation of shield lens, shield cover and shield plates (oblique view).**

# IMPORTANT SAFETY INSTRUCTIONS

2. Read and comply with all caution and safety-related notes on or inside the receiver cabinet, on the receiver chassis, or on the picture tube.

3. **Design Alteration Warning** – Do not alter or add to the mechanical or electrical design of this TV receiver. Design alterations and additions including but not limited to circuit modifications and the addition of items such as auxiliary audio and/or video output connectors, might alter the safety characteristics of this receiver and create a hazard to the user. Any design alterations or additions may void the manufacturer's warranty and may make you, the servicer, responsible for personal injury or property damage resulting therefrom.

4. **Picture Tube Implosion Protection Warning** – The picture tube in this receiver employs integral implosion protection. For continued implosion protection, replace the picture tube only with one of the same type number. Do not remove, install, or otherwise handle the picture tube in any manner without first putting on shatterproof goggles equipped with side shields. People not so equipped must be kept safely away while picture tubes are handled. Keep the picture tube away from your body. Do not handle the picture tube by its neck.

5. **Hot Chassis Warning** – **a.** Some TV receiver chassis are electrically connected directly to one conductor of the AC power cord and may be safely serviced without an isolation transformer only if the AC power plug is inserted so that the chassis is connected to the ground side of the AC power source. Confirm that the AC power plug is inserted correctly with an AC voltmeter by measuring between the chassis and a known earth ground. If a voltage reading in excess of 1.0V is obtained, remove and reinsert the AC power plug in the opposite polarity and again measure the voltage potential between the chassis and a known earth ground. **b.** Some TV receiver chassis normally have 85V AC (RMS) between chassis and earth ground regardless of the AC plug polarity. These chassis can be safely serviced only with an isolation transformer inserted in the power line between the receiver and the AC power source, for both personnel and test equipment protection. c. Some TV receiver chassis have a secondary ground system in addition to the main chassis ground. This secondary ground system is not isolated from the AC power line. The two ground systems are electrically separated by insulating material that must not be defeated or altered.

6. Observe original lead dress. Take extra care to assure correct lead dress in the following areas: **a.** near sharp edges, **b.** near thermally hot parts – be sure that leads and components do not touch thermally hot parts, **c.** the AC supply, **d.** high voltage and **e.** antenna wiring. Always inspect in all areas for pinched, out-of-plate, or frayed wiring. Do not change spacing between components and the printed circuit board. Check AC power cord for damage.

7. Components, parts, and/or wiring that appear to have overheated or are otherwise damaged should be replaced with components, parts, or wiring that meet original specifications. Additionally, determine the cause of overheating and/or damage and, if necessary, take corrective action to remove any potential safety hazard.

8. **PRODUCT SAFETY NOTICE** – Many TV electrical and mechanical parts have special safety-related characteristics some of which are often not evident from visual inspection, nor can the protection they give necessarily be obtained by replacing them with components rated for higher voltage, wattage, etc. Parts that have special safety characteristics are identified in Hitachi service data by shading on schematics and by a ⚠ in the parts list. Use of substitute replacement that does not have the same safety characteristics as the recommended replacement part in Hitachi service data parts list might create shock, fire, and/or other hazards. Product safety is under review continuously and new instructions are issued whenever appropriate. For the latest information, always consult the appropriate current Hitachi service literature. A subscription to, or additional copies of service literature may be obtained at a nominal charge from Hitachi.

# SERVICING PRECAUTIONS

**CAUTION:** Before servicing instruments covered by this service data and its supplements and addenda, read and follow the "Important Safety Instructions" on page 3 of this publication.

**NOTE:** If unforeseen circumstances create conflict between the following servicing precautions and any of the safety precautions on page 3 of this publication, always follow the safety precautions. Remember: Safety First.

**General Servicing Guidelines**

1. Always unplug the instrument AC power cord from the AC power source before:
   a. Removing or reinstalling any component, circuit board, module, or any other instrument assembly.

   b. Disconnecting or reconnecting any instrument electrical plug or other electrical connection.

   c. Connecting a test substitute in parallel with an electrolytic capacitor in the instrument.
      **CAUTION:** A wrong part substitution or incorrect polarity installation of electrolytic capacitors may result in an explosion hazard.

   d. Discharging the picture tube anode.

2. Test high voltage only by measuring it with an appropriate high voltage meter or other voltage measuring device (DVM, FETVOM, etc.) equipped with a suitable high voltage probe. Do not test high voltage by "drawing an arc." The H.V. Distribution Box has an internal 400MΩ resistor (bleeder resistor) connected from the high voltage to ground. After power is removed from the instrument the high voltage will discharge through the high voltage bleeder resistor. If the tubes have high voltage after power is removed, then the bleeder resistor is defective or the bleeder ground is disconnected.

3. Discharge the picture tube's anode at any of the R, G, or B outputs on the H.V. Distribution Box only by (a) first connecting one end of an insulated clip lead to the degaussing or kine aquadag grounding system shield at the point where the picture tube socket ground lead is connected, and then (b) touch the other end of the insulated clip lead to the picture tube high voltage distribution box R, G, or B output, using an insulated handle to avoid personal contact with high voltage.

4. Do not spray chemicals on or near this instrument or any of its assemblies.

5. Unless specified otherwise in these service data, clean electrical contracts by applying the following mixture to the contacts with a pipe cleaner, cotton-tipped stick or comparable nonabrasive applicator: 10% (by volume) Acetone and 90% (by volume) isopropyl alcohol (90%-99% strength).
   **CAUTION:** This is a flammable mixture. Unless specified otherwise in these service data, lubrication of contacts is not required.

6. Do not defeat any plug/socket B+ voltage interlocks with which instruments covered by this service data might be equipped.

7. Do not apply AC power to this instrument and/or any of its electrical assemblies unless all solid-state device heat-sinks are correctly installed.

8. Always connect the test instrument ground lead to the appropriate instrument chassis ground before connecting the test instrument positive lead. Always remove the test instrument ground lead last.

9. Use with this instrument only the test fixtures specified in this service data.
   **CAUTION:** Do not connect the test fixture ground strap to any heatsink in this instrument.

**Electrostatically Sensitive (ES) Devices**

Some semiconductor (solid state) devices can be damaged easily by static electricity. Such components commonly are called Electrostatically Sensitive (ES) Devices. Examples of typical ES devices are integrated circuits and some field-effect transistors and semiconductor "chip" components. The following techniques should be used to help reduce the incidence of component damage caused by static electricity.

1. Immediately before handling any semiconductor component or semiconductor-equipped assembly, drain off any electrostatic charge on your body by touching a known earth ground. Alternatively, obtain and wear a commercially available discharging wrist strap device, which should be removed for potential shock reasons prior to applying power to the unit under test.

2. After removing an electrical assembly equipped with ES devices, place the assembly on a conductive surface such as aluminum foil, to prevent electrostatic charge buildup or exposure of the assembly.

3. Use only a grounded-tip soldering iron to solder or desolder ES devices.

4. Use only can anti-static type solder removal device. Some solder removal devices not classified as "anti-static" can generate electrical charges sufficient to damage ES device.

5. Do not use freon-propelled chemicals. These can generate electrical charges sufficient to damage ES devices.

6. Do not remove a replacement ES device from its protective package until immediately before you are ready to install it. (Most replacement ES devices are packaged with leads electrically shorted together by conductive foam, aluminum foil or comparable conductive material.)

7. Immediately before removing the protective material from the leads of a replacement ES device, touch the protective material to the chassis or circuit assembly into which the device will be installed.
   **CAUTION:** Be sure no power is applied to the chassis or circuit, and observe all other safety precautions.

8. Minimize bodily motions when handling unpackaged replacement ES devices. (Otherwise harmless motion such as the brushing together of your clothes fabric or the lifting of your foot from a carpeted floor can generate

**General Soldering Guidelines**

1. Use a grounded-tip, low-wattage soldering iron and appropriate tip size and shape that will maintain tip temperature within the range 500°F to 600°F.

2. Use an appropriate gauge of resin-core solder composed of 60 parts tin/40 parts lead.

3. Keep the soldering iron tip clean and well-tinned.

4. Thoroughly clean the surfaces to be soldered. Use a small wire-bristle (0.5 inch or 1.25 cm) brush with a metal handle. Do not use freon-propelled spray-on cleaners.

5. Use the following desoldering technique.
   a. Allow the soldering iron tip to reach normal temperature (500°F to 600°F).

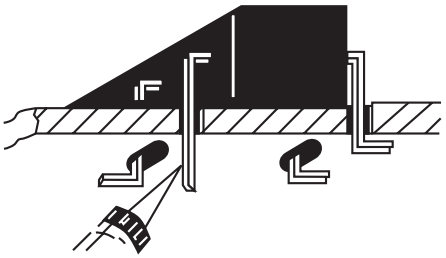
   b. Heat the component lead until the solder melts. Quickly draw away the melted solder with an anti-static, suction-type solder removal device or with solder braid.
      **CAUTION:** Work quickly to avoid overheating the circuit board printed foil.

6. Use the following soldering technique.
   a. Allow the soldering iron tip to reach normal temperature (500°F to 600°F).

   b. First, hold the soldering iron tip and solder strand against the component lead until the solder melts.

   c. Quickly move the soldering iron tip to the junction of the component lead and the printed circuit foil, and hold it there only until the solder flows onto and around both the component lead and the foil.
      **CAUTION:** Work quickly to avoid overheating the circuit board printed foil or components.

   d. Closely inspect the solder area and remove any excess or splashed solder with a small wire-bristle brush.



**Use Solding Iron to Pry Leads**

**IC Removal/Replacement**

Some Hitachi unitized chassis circuit boards have slotted holes (oblong) through which the IC leads are inserted and then bent flat against the circuit foil. When holes are the slotted type, the following technique should be used to remove and replace the IC. When working with boards using the familiar round hole, use the standard technique as outlined in paragraphs 5 and 6 above.

Removal

1. Desolder and straighten each IC lead in one operation by gently prying up on the lead with the soldering iron tip as the solder melts.

2. Draw away the melted solder with an anti-static suction-type solder removal device (or with solder braid) before removing the IC.

**Replacement**

1. Carefully insert the replacement IC in the circuit board.

2. Carefully bend each IC lead against the circuit foil pad and solder it.

3. Clean the soldered areas with a small wire-bristle brush. (It is not necessary to reapply acrylic coating to areas.)

**"Small-signal" Discrete Transistor Removal/Replacement**

1. Remove the defective transistor by clipping its leads as close as possible to the component body.

2. Bend into a "U" shape the end of each of three leads remaining on the circuit board.

3. Bend into a "U" shape the replacement transistor leads.

4. Connect to replacement transistor leads to the corresponding leads extending from the circuit board and crimp the "U" with long nose pliers to insure metal to metal contact, then solder each connection.

**Power Output Transistor Devices Removal/Replacements**

1. Heat and remove all solder from around the transistor leads.

2. Remove the heatsink mounting screw (if so equipped).

3. Carefully remove the transistor from the circuit board.

4. Insert new transistor in circuit board.

5. Solder each transistor lead, and clip off excess lead.

6. Replace heatsink.

**Diode Removal/Replacement**

1. Remove defective diode by clipping its leads as close as possible to diode body.

2. Bend the two remaining leads perpendicularly to the circuit board.

3. Observing diode polarity, wrap each lead of the new diode around the corresponding lead on the circuit board.

4. Securely crimp each connection and solder it.

5. Inspect (on the circuit board copper side) the solder joints of the two "original leads". If they are not shiny, reheat them and, if necessary, apply additional solder.

**Fuses and Conventional Resistor Removal/Replacement**

1. Clip each fuse or resistor lead at top of circuit board hollow stake.

2. Securely crimp leads of replacement component around stake 1/8 inch from top.

3. Solder the connections.
   **CAUTION:** Maintain original spacing between the replaced component and adjacent components and the circuit board, to prevent excessive component temperatures.

**Circuit Board Foil Repair**

Excessive heat applied to the copper foil of any printed circuit board will weaken the adhesive that bonds the foil to the circuit board, causing the foil to separate from, or "lift-off," the board. The following guidelines and procedures should be followed whenever this condition is encountered.

In Critical Copper Pattern Areas

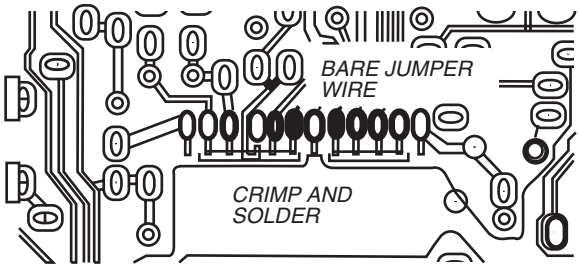
High component/copper pattern density and/or special voltage/current characteristics make the spacing and integrity of copper pattern in some circuit board areas more critical than in others. The circuit foil in these areas is designated as Critical Copper Pattern. Because Critical Copper Pattern requires special soldering techniques to ensure the maintenance of reliability and safety standards, contact your Hitachi personnel.

At IC Connections

To repair defective copper pattern at IC connections, use the following procedure to install a jumper wire on the copper pattern side of the circuit board. (Use this technique only on IC connections.)

1. Carefully remove the damaged copper pattern with a sharp knife. (Remove only as much copper as absolutely necessary.)

2. Carefully scratch away the solder resist and acrylic coating (if used) from the end of the remaining copper pattern.



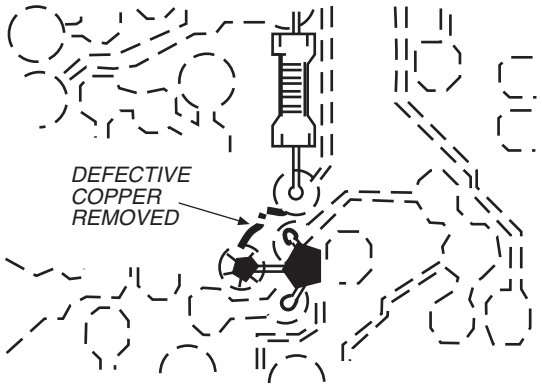

**Install Jumper Wire and Solder**

3. Bend a small "U" in one end of a small-gauge jumper wire and carefully crimp it around the IC pin. Solder the IC connection.

4. Route the jumper wire along the path of the cut-away copper pattern and let it overlap the previously scraped end of the good copper pattern. Solder the overlapped area, and clip off any excess jumper wire.

At Other Connections

Use the following technique to repair defective copper pattern at connections other than IC Pins. This technique involves the installation of a jumper wire on the component side of the circuit board.




**Insulated Jumper Wire**

1. Remove the defective copper pattern with a sharp knife. Remove at least 1/4 inch of copper, to ensure hazardous condition will not exist if the jumper wire opens.

2. Trace along the copper pattern from both wire sides of the pattern break and locate the nearest component directly connected to the affected copper pattern.

3. Connect insulated 20-gauge jumper wire from the nearest component on one side of the pattern break to the lead of the nearest component on the other side. Carefully crimp and solder the connections.
   **CAUTION:** Be sure the insulated jumper wire is dressed so that it does not touch components or sharp edges.

**Frequency Synthesis (FS) Tuning Systems**

1. Always unplug the instrument AC power cord before disconnecting or reconnecting FS tuning system cables and before removing or inserting FS tuning system modules.

2. The FS tuner must never be disconnected from the FS tuning control module while power is applied to the instrument.

3. When troubleshooting intermittent problems that might be caused by defective cable connection(s) to the FS tuning system, remove the instrument AC power as soon as the defective connector is found and finish confirming the bad connection with a continuity test. This procedure will reduce the probability of electrical overstress of the FS system semi-conductor components.

**NOTE:** ***These components are affixed with glue. Be careful not to break or damage any foil under the component or at the pins of the ICs when removing. Usually applying heat to the component for a short time while twisting with tweezers will break the component loose.***

## Leadless Chip Components (surface mount)

Chip components must be replaced with identical chips due to critical foil track spacing. There are no holes in the board to mount standard transistors or diodes. Some chip capacitor or resistor board solder pads may have holes through the board, however the hole diameter limits standard resistor replacement to 1/8 watt. Standard capacitors may also be limited for the same reason. It is recommended that identical chip components be used. .

Chip resistors have a three digit numerical resistance code -1st and 2nd significant digits and a multiplier. Example: 162 = 1600 or 1.6KΩ resistor, 0 = 0Ω (jumper).

Chip capacitors generally do not have the value indicated on the capacitor. The color of the component indicates the general range of the capacitance.

Chip transistors are identified by a two letter code. The first letter indicates the type and the second letter, the grade of transistor.

Chip diodes have a two letter identification code as per the code chart and are a dual diode pack with either

common anode or common cathode. Check the parts list for correct diode number.

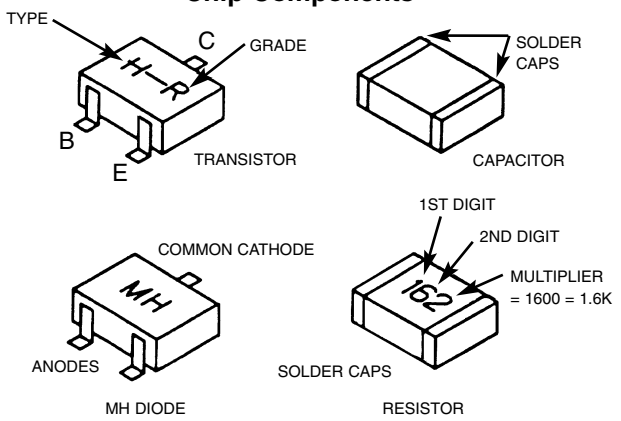
## Component Removal

1. Use solder wick to remove solder from component end caps or terminals.
2. Without pulling up, carefully twist the component with tweezers to break the adhesive.
3. Do not reuse removed leadless or chip components since they are subject to stress fracture during removal .

## Chip Component Installation

1. Put a small amount of solder on the board soldering pads.
2. Hold the chip component against the soldering pads with tweezers or with a miniature alligator clip and apply heat to the pad area with a 30 watt iron until solder flows. Do not apply heat for more than 3 seconds

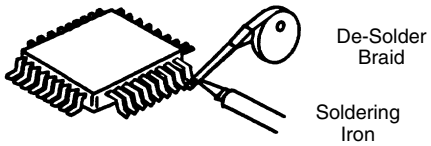
**Chip Components**



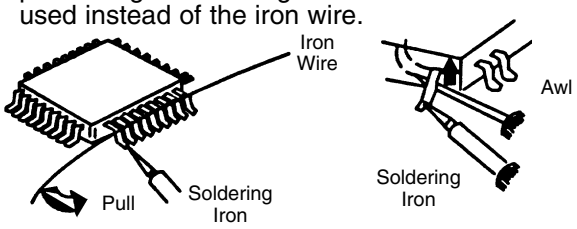

## How to Replace Flat-IC —Required Tools—

- Soldering iron
- De-solder braids
- iron wire or small awl
- Magnifier

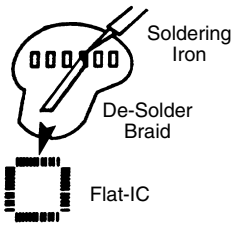
1. Remove the solder from all of the pins of a Flat-IC by using a de-solder braid.



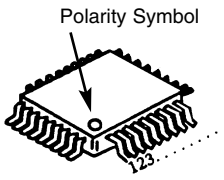

2. Put the iron wire under the pins of the Flat-IC and pull it in the direction indicated while heating the pins using a soldering iron. A small awl can be used instead of the iron wire.



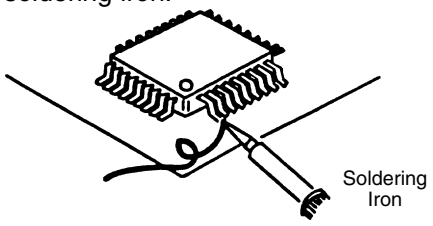

3. Remove the solder from all of the pads of the Fiat-IC by using a de-solder braid.



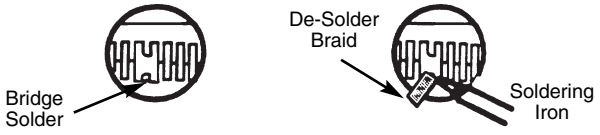

4. Position the new Flat-IC in place (apply the pins of the Flat-IC to the soldering pads where the pins need to be soldered). Properly determine the positions of the soldering pads and pins by correctly aligning the polarity symbol.




5. Solder all pins to the soldering pads using a fine tipped soldering iron.



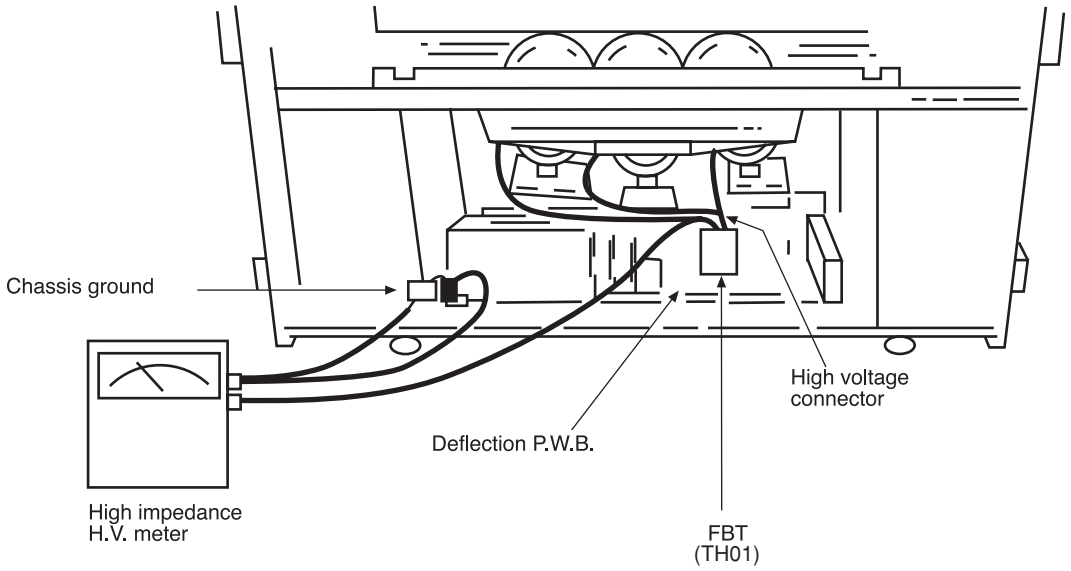

6. Check with a magnifier for solder bridge between the pins or for dry joint between pins and soldering pads. To remove a solder bridge, use a de-solder braid as shown in the figure below.



# TECHNICAL CAUTIONS

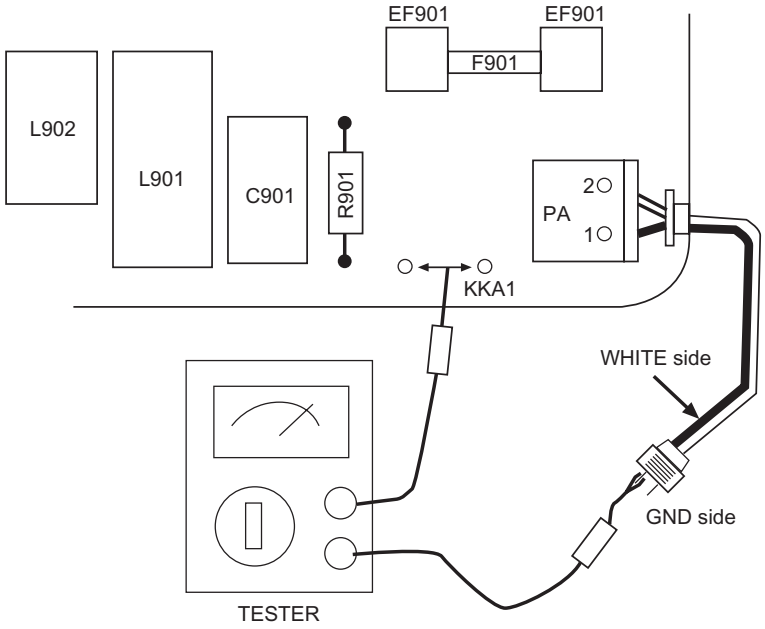
**High Voltage limiter circuit operation check.**

1. Turn off TV and connect jig as shown in Figure 2. Adjust jig fully counter-clockwise for minimum resistance.
2. Set the AC input to 120V AC and turn on TV.
3. Confirm test pattern on CRT is a usable picture, then slowly adjust jig until the picture disappears and TV shuts down.
4. When the limiter circuit is operating properly, High Voltage will be less than 31.5 kV at 1.7mA when TV shuts down.
5. Turn off set immediately after checking circuit operation.
6. Unplug set for one minute to reset shutdown circuit. Remove jig and voltmeter.




**AC CORD POLARITY**

This check is based on the UL standard. Use the jigs specified by the production technology section. The GND side (wider blade) of the AC power cord should be connected to K9Y1



# SPECIFICATIONS

**Model:** 61SWX10B, 61SWX12B, 53SWX10B, 53SWX12B, 43UWX10B, 53UWX10B, 61UWX10B

**Cathode-Ray Tube:**

| | |
|---|---|
| 61SWX10B | R=P16LFT00RFA(LU) |
| 61SWX12B | G=P16LFT00HHA(LU) |
| 53SWX10B | B=P16LFT00BMB(EU) |
| 53SWX12B | |
| 53UWX10B | R=P16LSG03RJA |
| 61UWX10B | G=P16LSG03HKA |
| | B=P16LSG03BMB |
| 43UWX10B | R=P16LTG00RFA |
| | G=P16LTG00HHA |
| | B=P16LTG00BMB |

**Power Input:** 120 volts AC, 60 Hz

**Power Consumption:**

- Stand-By Power
  - 43/53/61UWX10B . . . . . .2.7W
  - 53/61SWX10B . . . . . .2.8W
  - 53/61SWX12B . . . . . .2.8W
- Power Consumption (operating)
  - 43/53/61UWX10B . . . . . .219W
  - 53/61SWX10B . . . . . .234W
  - 53/61SWX12B . . . . . .234W
- Power Consumption (maximum)
  - 43/53/61UWX10B . . . . . .262W
  - 53/61SWX10B . . . . . .295W
  - 53/61SWX12B . . . . . .295W

**Antenna Impedance:** 75 Ohm Unbalanced
VHF / UHF / CATV

**Receiving Channel:**

| BAND | CH |
|---|---|
| VHF | 2~13 |
| UHF | 14~69 |
| EXT. Mid | (A-5)~(A-1), 4+ |
| CATV Mid. | A~I |
| CATV Super | J~W |
| CATV Hyper | (W+1)~(W+28) |

**Intermediate Frequency:** Picture I-F Carrier 45.75 MHz
Sound I-F Carrier 41.25 MHz
Color Sub Carrier 42.17 MHz

**Video Input:** 1 Volt p-p, 75 Ohm

**Video Output:** 1 Volt p-p, 75 ohm

**Audio Input:** 470 mVrms, 47 k Ohm

**Stereo Audio Output:** 470 mVrms, 1 k Ohm

**Audio Output Power:**
Front: 12 watts per channel at 10% distortion,
8 ohm Impedance. Max output — 15 watts.

**Anode Voltage:**

| | |
|---|---|
| **DP14G** | 30.2±0.2kv (1.20±0.2mA) |
| **DP17** | 31.7kv±0.2kv (1.10±0.2mA) |

| **Brightness:** | **43** | **53** | **61** |
|---|---|---|---|
| (white screen) | 320cd/m$^2$ | 260cd/m$^2$ | 190cd/m$^2$ |

**Speakers:** 2 Woofers - 5 inch (120 mm) round
2 Tweeters - 2 inch (50 mm) round

**Dimension:**

| | 43 | 53 | 61 |
|---|---|---|---|
| Height (in.) | 39 | 54 $^1/_{32}$ | 61 $^7/_{32}$ |
| Width (in.) | 41 $^7/_{32}$ | 50 $^{17}/_{32}$ | 57 $^1/_2$ |
| Depth (in.) | 20 $^5/_8$ | 29 | 29 $^{19}/_{32}$ |
| Weight (lbs.) | 153 | 245 | 350 |

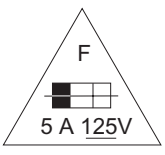
**Circuit Board Assemblies:**

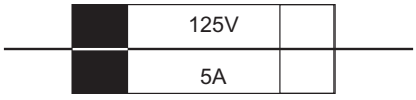
| | |
|---|---|
| C.P.T. (B) P.W.B. | Terminal A P.W.B. |
| C.P.T. (G) P.W.B. | Terminal B P.W.B. |
| C.P.T. (R) P.W.B. | VM P.W.B. |
| Audio Out P.W.B. | Surround P.W.B. |
| 2H P.W.B. | Power Deflection P.W.B. |
| Power Supply P.W.B. | Control P.W.B. |
| Signal P.W.B. | Control Sub P.W.B. |
| Convergence P.W.B. | Sensor Distribution P.W.B. |

# CIRCUIT PROTECTION

**CAUTION:** Below is an EXAMPLE only. See Replacement Parts List for details. The following symbol near the fuse indicates fast operation fuse (to be replaced). Fuse ratings appear within the symbol.

Example:



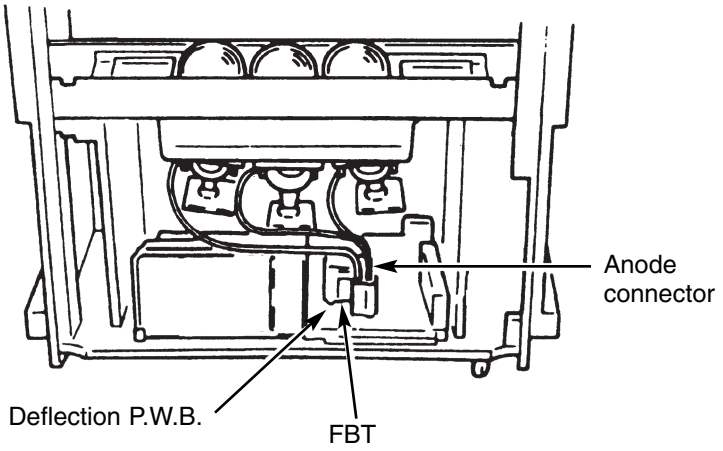




**RISK OF FIRE - REPLACE FUSE AS MARKED**

The rating of fuse F901 is 5A - 125V.
Replace with the same type fuse for continued protection against fire.

## CAUTIONS WHEN CONNECTING / DISCONNECTING THE HV CONNECTOR

Perform the following when the HV connector (anode connector) is removed or inserted for CPT replacement, etc.



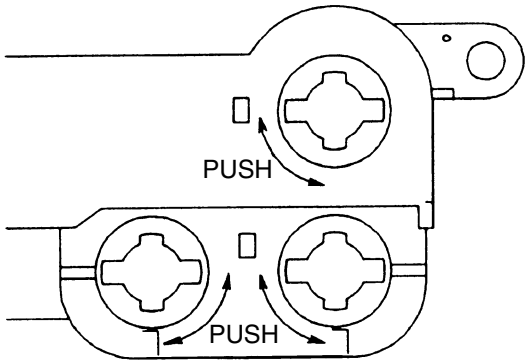




Fig. A

**During Removal**

1. Roll out silicon cover from FBT's contact area slowly.
2. While turning the connector about 90 degrees following the arrow (0 position), push the connector slightly towards the case. (Fig. A)
3. Remove the connector slowly by pulling it away from the case.

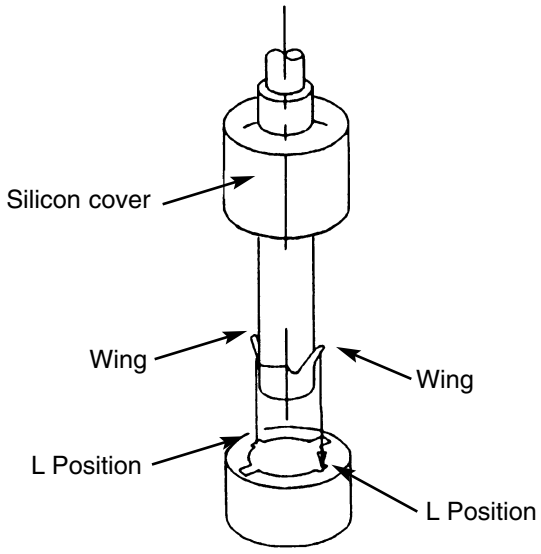


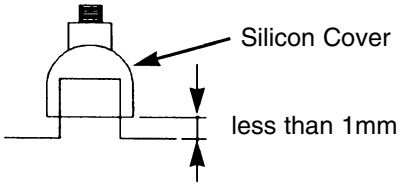

Fig. B

**During Insertion**

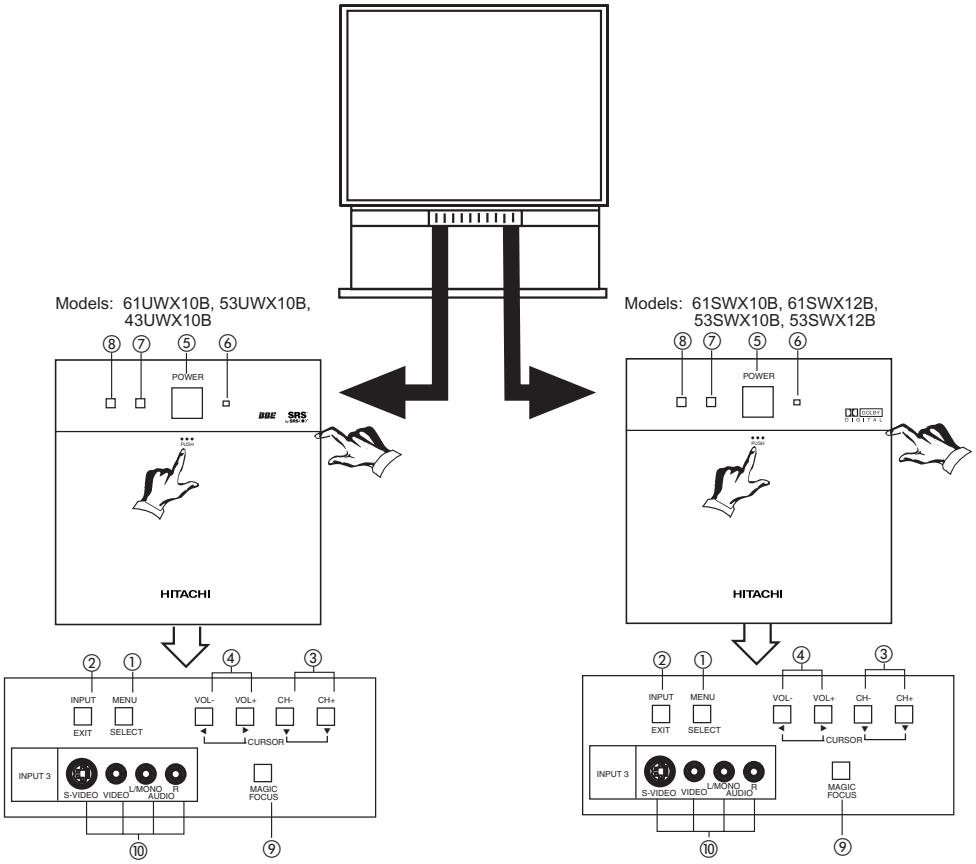
1. Please refer to direction for insertion as shown in Fig. B (L position). Insert connector until "CLICK" sound is heard.
2. Make sure the connector is pressed right in, so that it has a good contact with the spring.
3. Confirm the contact by pulling the connector slightly. (Don't pull hard because it may damage the connector).
4. Cover the high voltage output by carefully pushing silicon cover onto it. (Don't turn the connector).

(REMARK)

1. Make sure the silicon cover is covering the high voltage output.

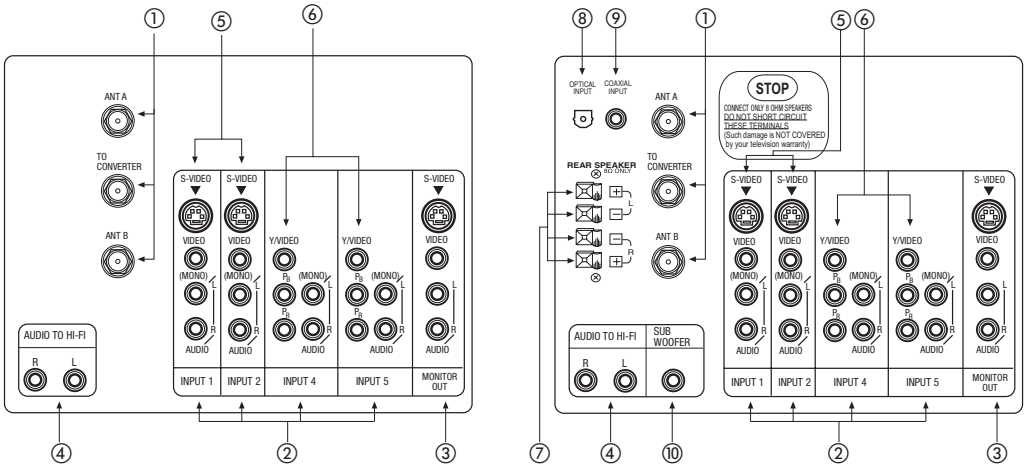


# GENERAL INFORMATION




Models: 61UWX10B, 53UWX10B, 43UWX10B

Models: 61SWX10B, 61SWX12B 53SWX10B, 53SWX12B




① **Antenna Input/Output**

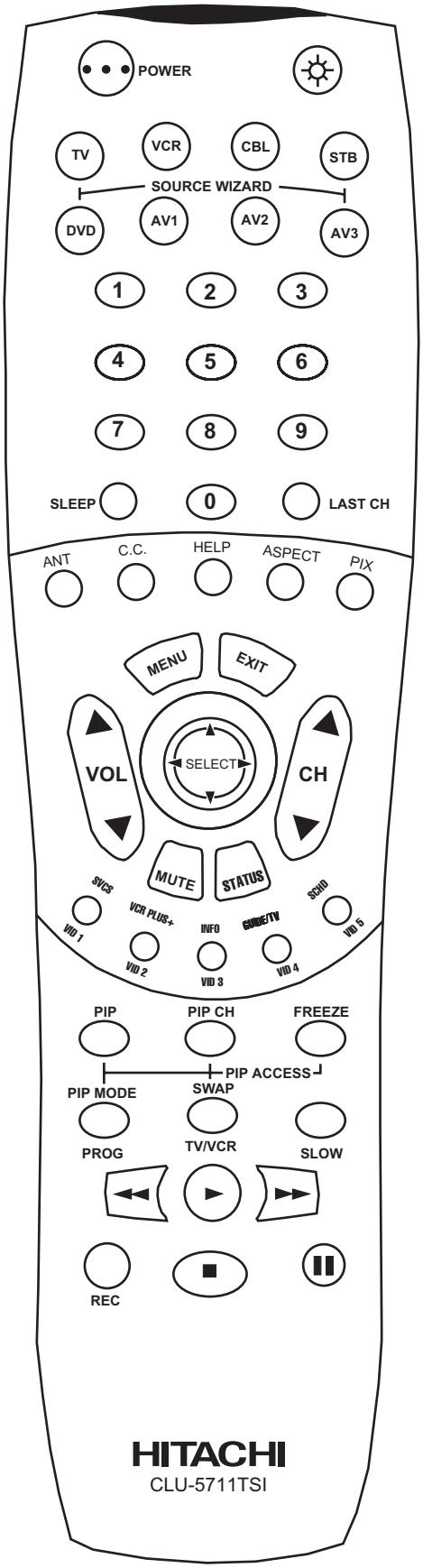
② **Audio/Video Inputs 1, 2, 4 and 5**

③ **MONITOR OUT**

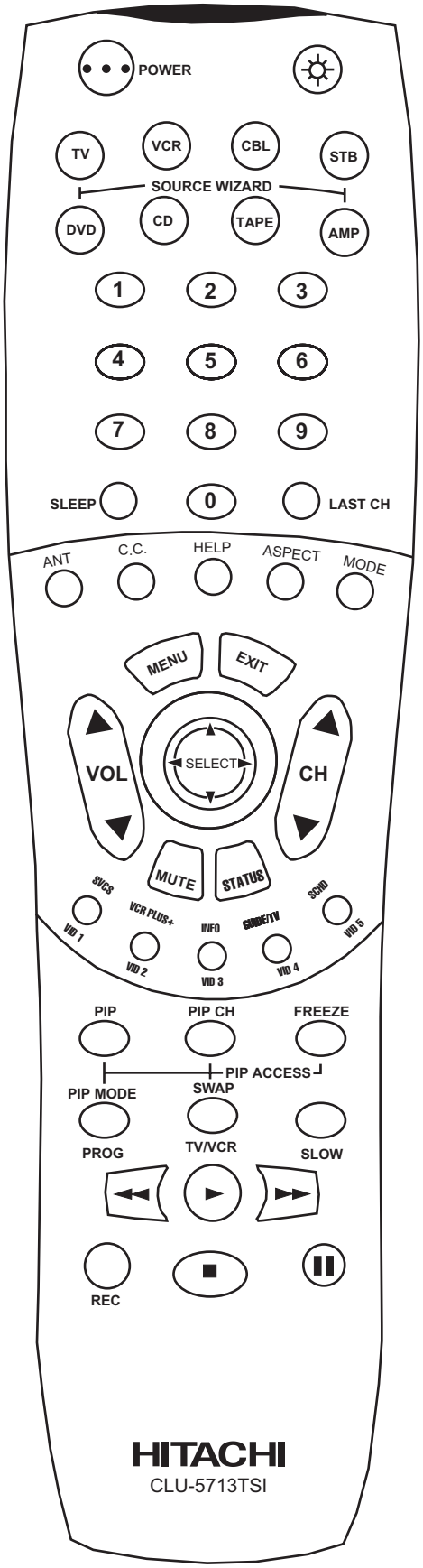
④ **AUDIO TO HI-FI Output**

⑤ **S-VIDEO Inputs 1 and 2**

⑥ **Component Input Y-$P_BP_R$**

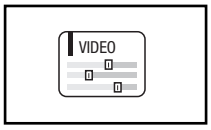



CLU-5711TSI

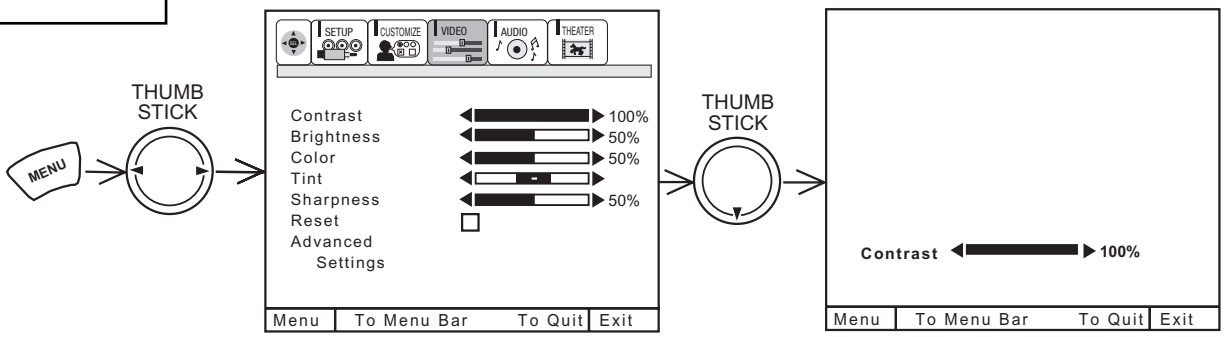



CLU-5713TSI

# CUSTOMIZED PICTURE AND SOUND ADJUSTMENTS




Select VIDEO to adjust picture settings and improve picture quality.




Use the THUMB STICK ▲ or ▼ to highlight the function to be adjusted.
Press the THUMB STICK ◄ or ► to adjust the function.
Press EXIT to quit menu.

**CONTRAST** — Use this function to change the contrast between black and white levels in the picture. This adjustment will only affect the picture when ADVANCED SETTINGS PERFECT PICTURE is OFF.

**BRIGHTNESS** — Use this function to adjust overall picture brightness.

**COLOR** — Use this function to adjust the level of color in the picture.

**TINT** — Use this function to adjust flesh tones so they appear natural. (See notes below.)

**SHARPNESS** — Use this function to adjust the amount of fine detail in the picture.

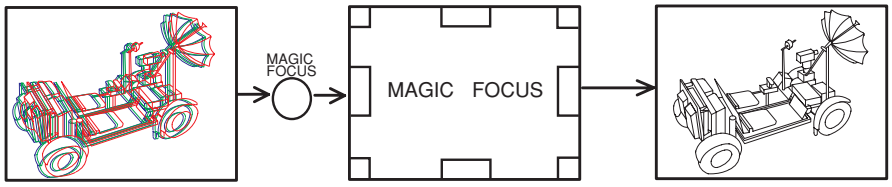
**RESET** — When RESET is selected, press down on THUMB STICK ► to return video adjustments to factory preset conditions.

**NOTE:**
1. It may be necessary to adjust TINT to obtain optimum picture quality when using the COMPONENT: Y-$P_BP_R$ Input jacks.
2. If you are using the COMPONENT VIDEO input jacks (Y-$P_BP_R$) and notice that the TINT and COLOR are abnormal, check to make sure that COMPONENT SET-COLOR SYSTEM is set properly.

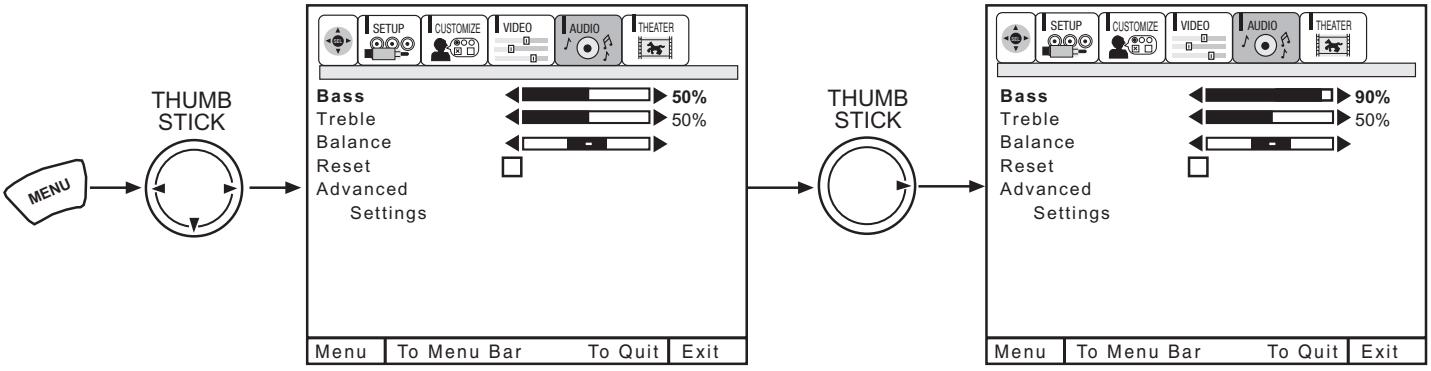
## MAGIC FOCUS

The Magic Focus button on the front panel will align the convergence when pressed.

Press the front panel MAGIC FOCUS button momentarily for auto setup.



Select AUDIO to adjust the TV to your preference and to improve the sound quality.



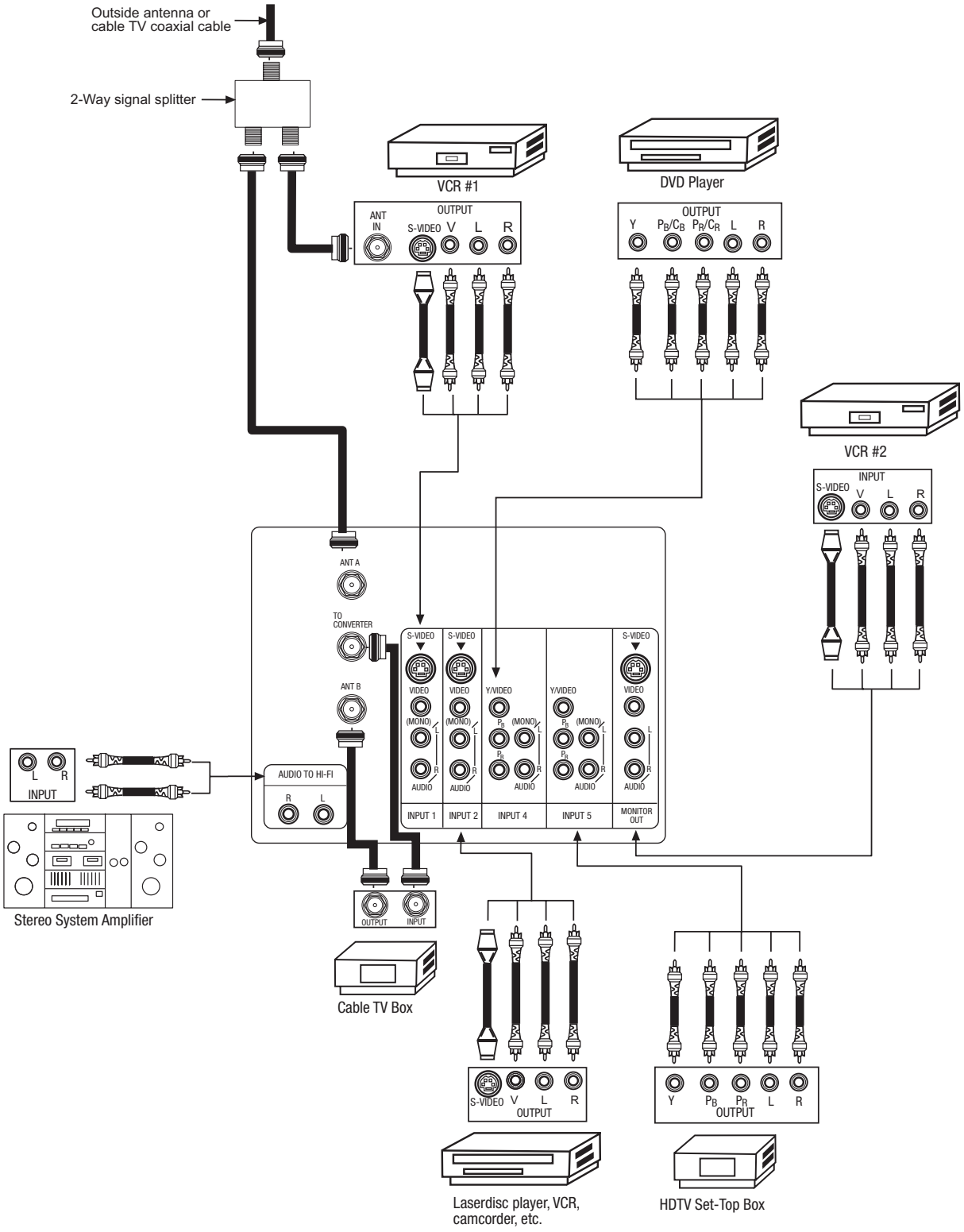

Use THUMB STICK ▲ or ▼ to highlight the function to be adjusted.
Press THUMB STICK ◄ or ► to adjust the function.
Press EXIT to quit MENU.

**NOTE:** If BASS is selected you are adjusting BASS. The additional menu items TREBLE and BALANCE can be selected and adjusted in the same manner.

| | |
|---|---|
| **BASS** | This function controls the low frequency audio to all speakers. |
| **TREBLE** | This function controls the high frequency audio to all speakers. |
| **BALANCE** | This function will control the left to right balance of the TV internal speakers and the AUDIO TO HI FI output. |
| **RESET** | When RESET is selected, press CURSOR ► to return audio adjustments to factory preset conditions. |

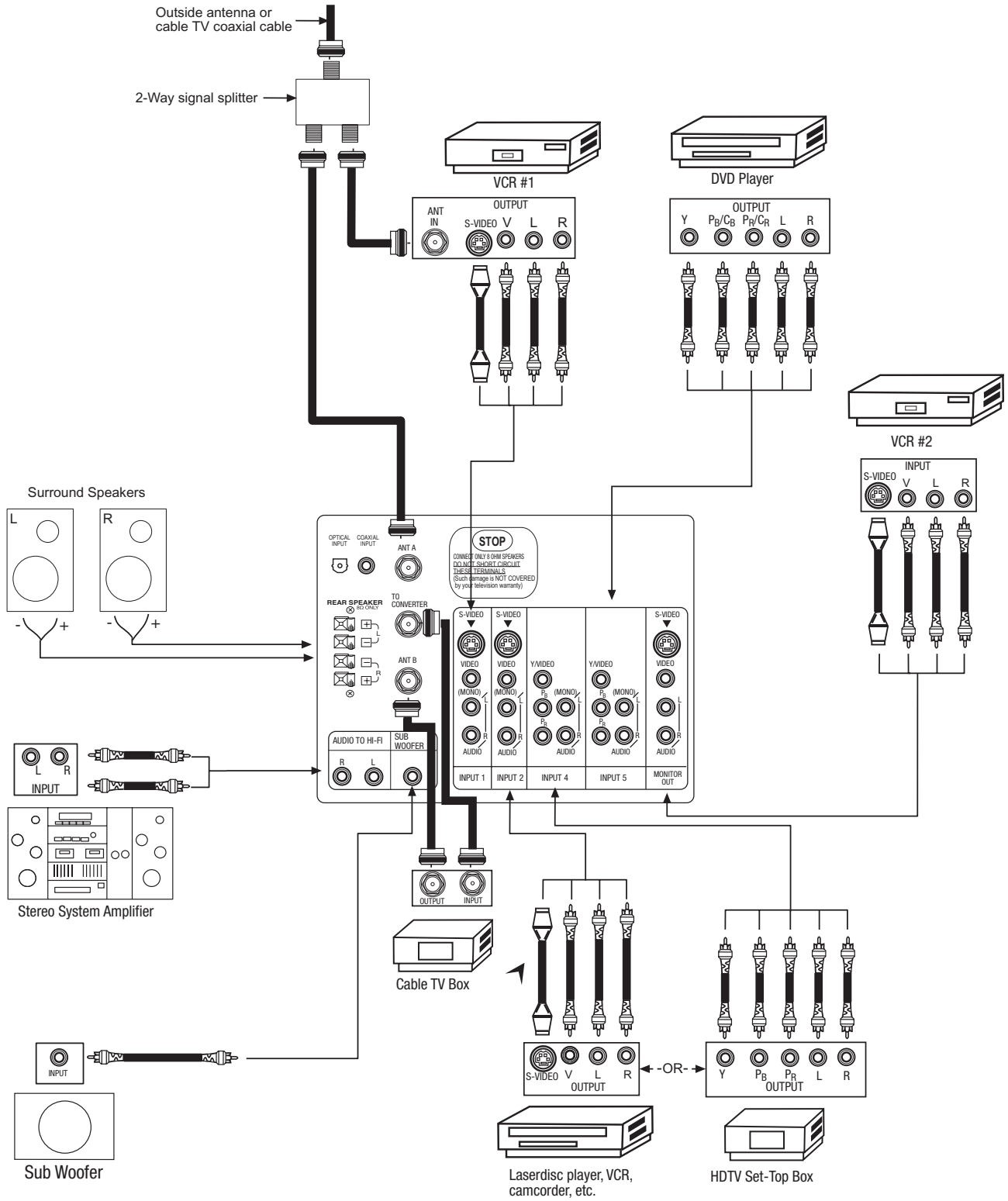
# REAR PANEL CONNECTIONS

## TYPICAL FULL-FEATURE SETUP
## 43/53/61UWX10B




**NOTE:**
1. Connect only 1 component to each input jack.
2. Follow connections that pertain to your personal entertainment system.
3. Standard video signal (composit video) can be input to all video inputs. (Video 1 ~ VIdeo 5).

# TYPICAL FULL-FEATURE SETUP
# 53/61SWX10B AND 53/61SWX12B

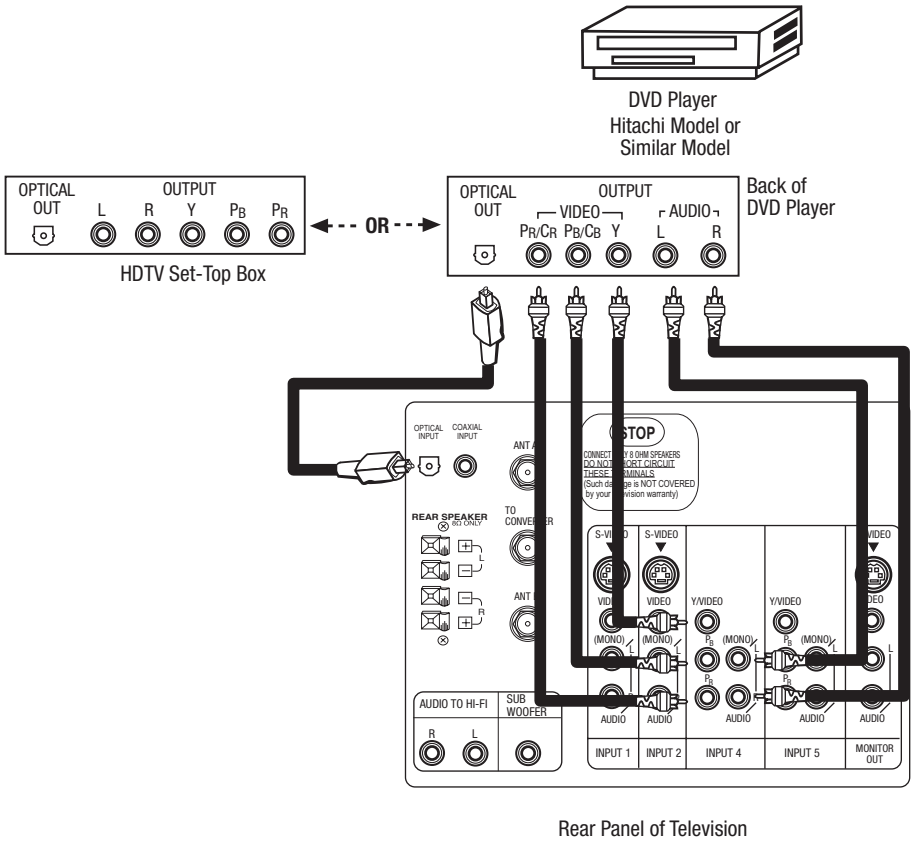



**NOTE:**
1. Connect only 1 component to each input jack.
2. Follow connections that pertain to your personal entertainment system.
3. Standard video signal (composit video) can be input to all video inputs. (Video 1 ~ VIdeo 5).

# CONNECTING EXTERNAL VIDEO SOURCES

**CONNECTING A COMPONENT SOURCE TO VIDEO 4 OR 5: Y-$P_BP_R$.**

1. Connect the cable from the Y OUT of the Laserdisc/DVD player or HDTV set top box to the INPUT (Y) jack, as shown on the TV set below.
2. Connect the cable from the $C_B/P_B$ OUT or B-Y OUT of the Laserdisc/DVD player or HDTV set top box to the INPUT ($P_{B)}$ jack.
3. Connect the cable from the $C_R/P_R$ OUT or R-Y OUT of the Laserdisc/DVD player or HDTV set top box to the INPUT ($P_R$) jack.
4. Connect the cable from the AUDIO OUT R of the Laserdisc/DVD player or HDTV set top box to the INPUT (AUDIO/R) jack.
5. Connect the cable from the AUDIO OUT L of the Laserdisc/DVD player or HDTV set top box to the INPUT (AUDIO/L) jack.
6. Press the VID4~VID5 button, to view the program from the Laserdisc/DVD player or HDTV set top box. The VIDEO icon disappears automatically after approximately eight seconds.
7. Press the ANT button to return to the previous channel.




Rear Panel of Television

**NOTE:**

1. You may use standard video signal for INPUT:4 and 5.
2. Completely insert the connection cord plugs when connecting to rear panel jacks. The picture and sound that is played back will be abnormal if the connection is loose.
3. See pages 17 and 18 for tips on REAR PANEL CONNECTIONS.

# CONNECTING EXTERNAL VIDEO SOURCES

**CONNECTING AN S-VIDEO SOURCE TO INPUT 1, 2 AND 3**

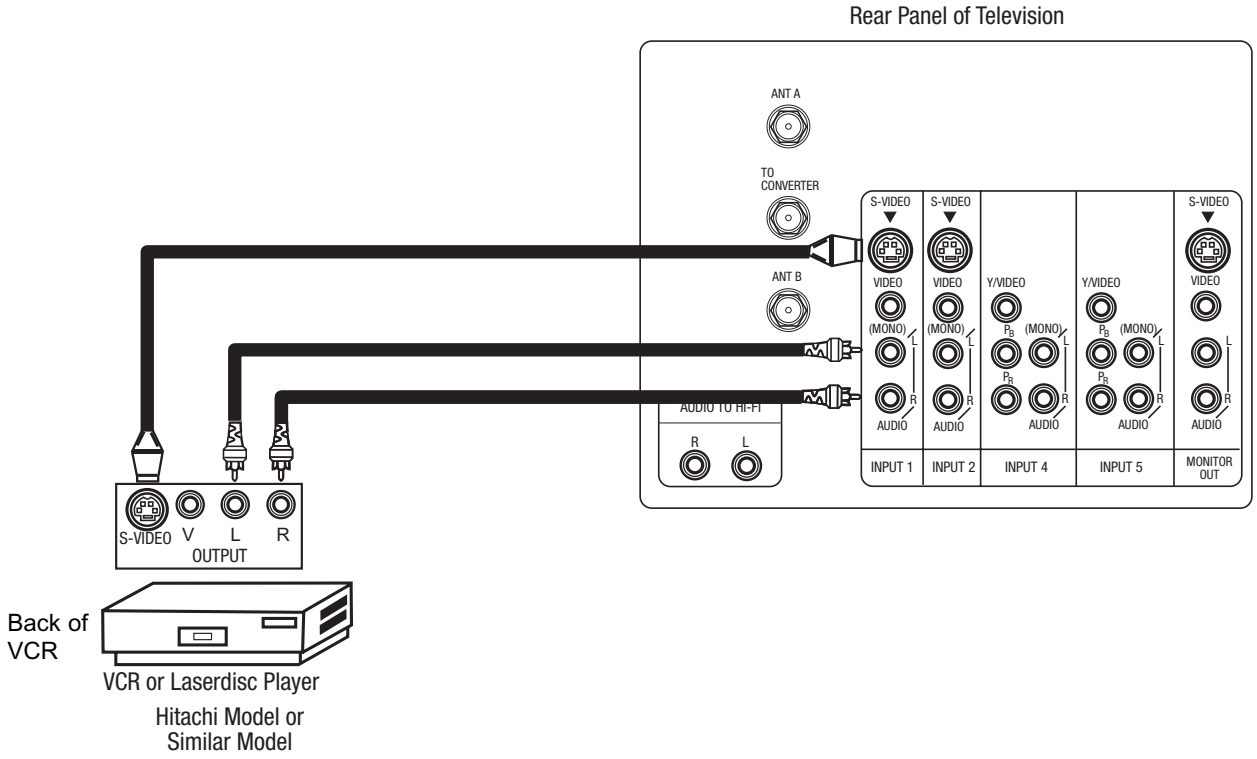
1. Connect the cable from the S-VIDEO OUT of the VCR or the laserdisc player to the INPUT (S-VIDEO) jack, as shown on the TV set below.

2. Connect the cable from the AUDIO OUT R of the VCR or the laserdisc player to the INPUT (AUDIO/R) jack.

3. Connect the cable from the AUDIO OUT L of the VCR or the laserdisc player to the INPUT (AUDIO/L) jack.

4. Press the VID1~VID3 button to view the program from the VCR or laserdisc player. The VIDEO icon disappears automatically after approximately eight seconds.

5. Press the ANT button to return to the previous channel.




**NOTES:**

1. Completely insert the connection cord plugs when connecting to rear panel jacks. The picture and sound that is played back will be abnormal if the connection is loose.

2. A single VCR can be used for VCR #1 and VCR #2, but note that a VCR cannot record its own video or line output. Refer to your VCR operating guide for more information on line input-output connections.

# CONNECTING EXTERNAL VIDEO SOURCES

**CONNECTING A STEREO SOURCE TO INPUT1~INPUT5**

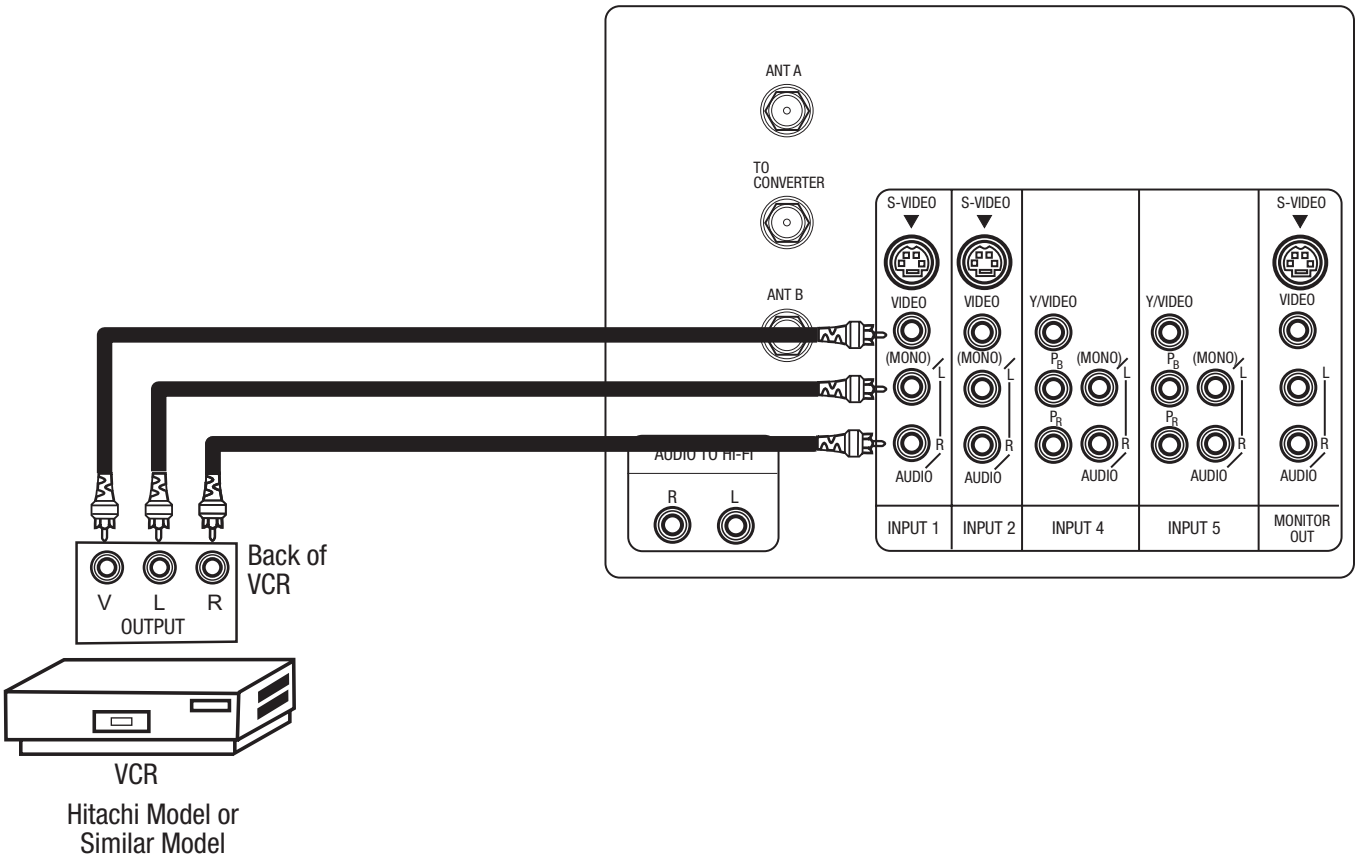
1. Connect the cable from the VIDEO OUT of the VCR or the laserdisc player to the INPUT (VIDEO) jack, as shown on the TV set below.

2. Connect the cable from the AUDIO OUT R of the VCR or the laserdisc player to the INPUT (AUDIO/R) jack.

3. Connect the cable from the AUDIO OUT L of the VCR or the laserdisc player to the INPUT (AUDIO/L) jack.

4. Press the VID1~VID5 button to view the program from the VCR or laserdisc player. The VIDEO icon disappears automatically after approximately eight seconds.

5. Press the VID1~VID5 button to return to the previous channel.




**NOTES:**

1. Completely insert the connection cord plugs when connecting to rear panel jacks. The picture and sound that is played back will be abnormal if the connection is loose.

2. A single VCR can be used for VCR #1 and VCR #2, but note that a VCR cannot record its own video or line output. Refer to your VCR operating guide for more information on line input-output connections.

As the digital era dawns, Hitachi has models that provide the best possible images today...and tomorrow. Our HDTV Ready model incorporates new Flex Converter technology to display a high quality 1080i (high definition scanning) or 540P (progressive scanning) image; this same circuitry enables it to accept a full 1080i HDTV signal from a digital set-top box now or in the future.

**FLEX CONVERTER TECHNOLOGY**

With current analog broadcasts, there is just one level of picture quality. In the new age of digital TV, there will be several levels. The highest, called HDTV, can be as high as 1080i.The next level, called HDTV, can be 720P. The standard level, SDTV, can be 480P or 480i. Hitachi has developed the Flex Converter, advanced circuitry that allows your UltraVision UWX and SWX series television to produce true 1080i HDTV resolution with an HDTV set-top box. It converts analog 480i signals to the higher-quality 540P signals with no scan lines or flicker. The FDX and UDX needs a set-top box to receive any Digital Signal.

**COMPONENT VIDEO**

Component Video inputs accept separate blue, red & B/W signals from a high resolution digital source as DVD or digital set-top box to provide a higher resolution picture.

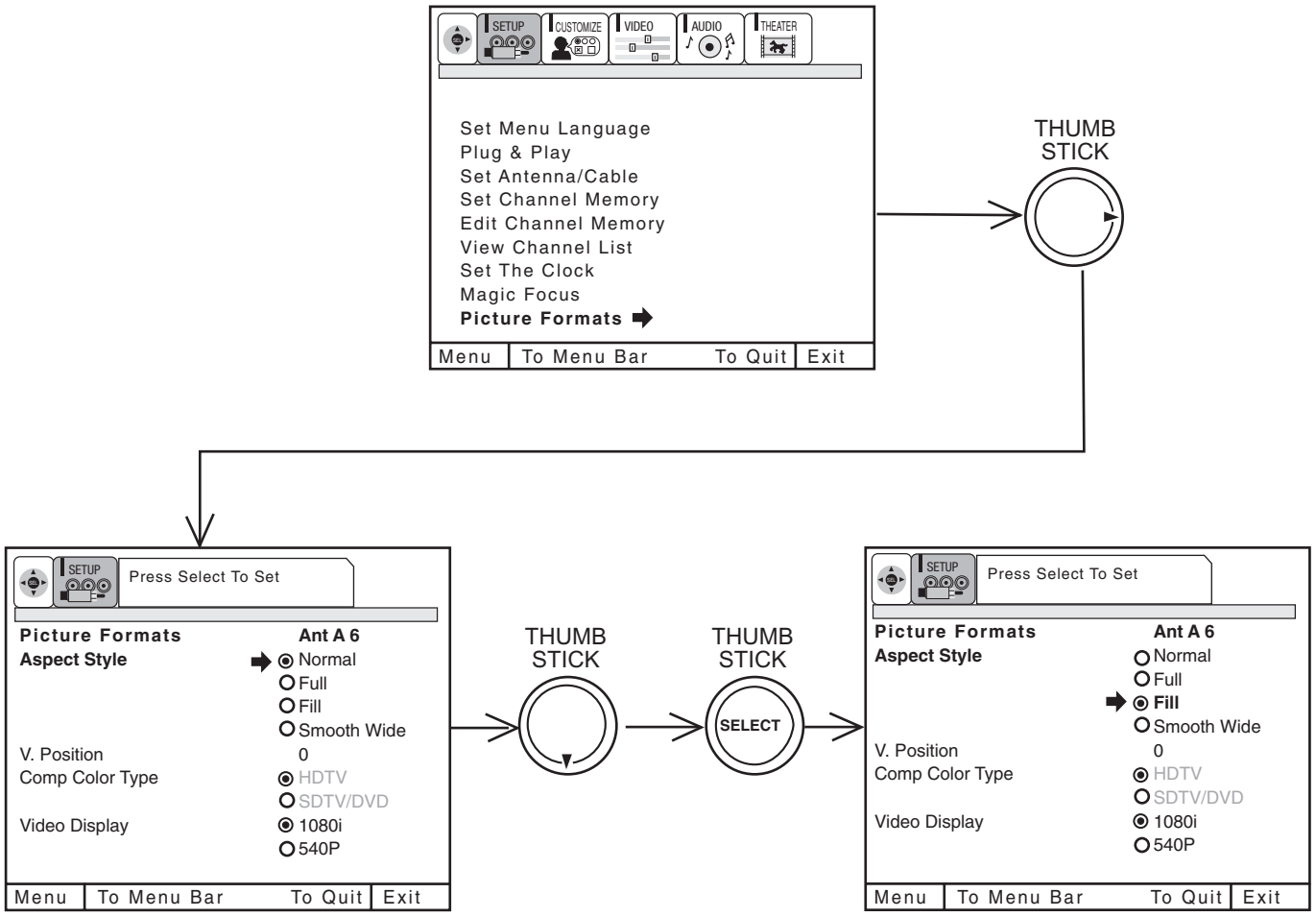
**3DYC (DIGITAL 3DYC COMB FILTER)**

The Digital 3DYC Comb Filter analyzes three lines of information from a single video frame as well as lines from adjacent frames. This technology eliminates the flickering that a detailed pattern or scene would normally cause, for the cleanest, neatest picture possible.

**PROGRESSIVE SCANNING**

A standard TV uses Interlaced Scanning where each frame of video is broken into two fields, each providing alternating scan lines. This can leave noticeable scan lines and cause flickering. With Progressive Scanning, complete frames are displayed for a smoother picture with no scan lines and no flicker. This allows you to get the optimal picture quality from today s high resolution digital sources such as DVD or a digital set-top box.

**PICTURE FORMATS** The PICTURE FORMATS function is very useful when setting up reception High Definition, Standard Definition and NTSC signals.

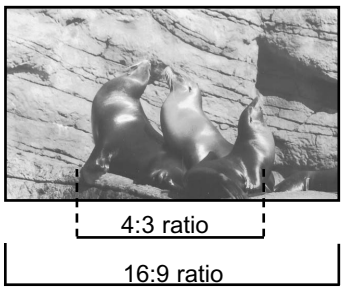



**ASPECT STYLE**

If you receive an image with a 4:3 aspect ratio, the image will be displayed at that ratio on your HDTV unless you specify otherwise. The Picture Format menu allows you to adjust the image through the following options:

**Normal** Choose this when receiving a 4:3 image and you want the on-screen appearance of the video to be a centered picture with side panels (blank areas) on the right and left sides.

**Full** Choose this when you want the television to adjust the 4:3 image horizontally so it fills your 16:9 screen. No side panels will be added, and the image is vertically unaltered. This setting is especially useful for viewing 16:9 formatted DVDs.



**ASPECT STYLE**

**Fill** This function allows you to select when receiving either NTSC or SDTV. Full screen picture is available in this mode when receiving letterbox signal. Both vertical edges will be hidden if you select Fill for ordinary 4:3 picture.

**Smooth Wide** This function allows you to select when receiving either NTSC or SDTV signal. 4:3 picture is expanded horizontally as being close to both left and right sides. It keeps 4:3 ratio in the center of the picture, then expands as it is close to both left and right edge of the picture to show picture distortion minimized. This function allows you to watch picture without side panel for 4:3.

Some digital (ATSC format) stations may transmit 4:3 images in a way that will not allow expansion. You will be unable to adjust the picture format.

**V. POSITION**

This function allows you to select when aspect style is either Full or Fill or Smooth Wide. Vertical position can be changed with this mode. For example, it will be useful for centering the picture when there is gray area at both top and bottom of the picture with HDTV signal. Adjustable range is -10 (video center is toward bottom of screen) to +10 (video center is toward top of screen).

**COMPONENT COLOR TYPE**

**This function allows you to automatically change tint and color coordinates for DTV programs.**

HDTV - High Definition Television - Use for High Vision Signal Y-$P_BP_R$ from HDTV Set-Top Box.
SDTV /DVD - Standard Definition Television or DVD (Digital Versatile Disc Player) Y-$C_BC_R$.

**VIDEO DISPLAY**

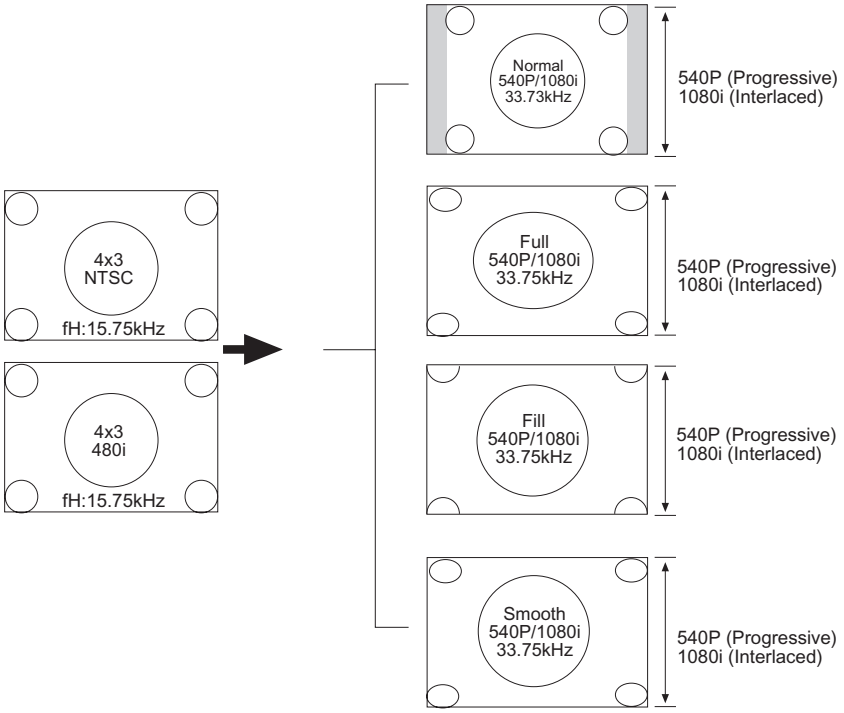
The Video Display feature allows you to display 1080i or 540P signal modes. This feature selection is not available when 1080i signal is input.

**NOTES:**

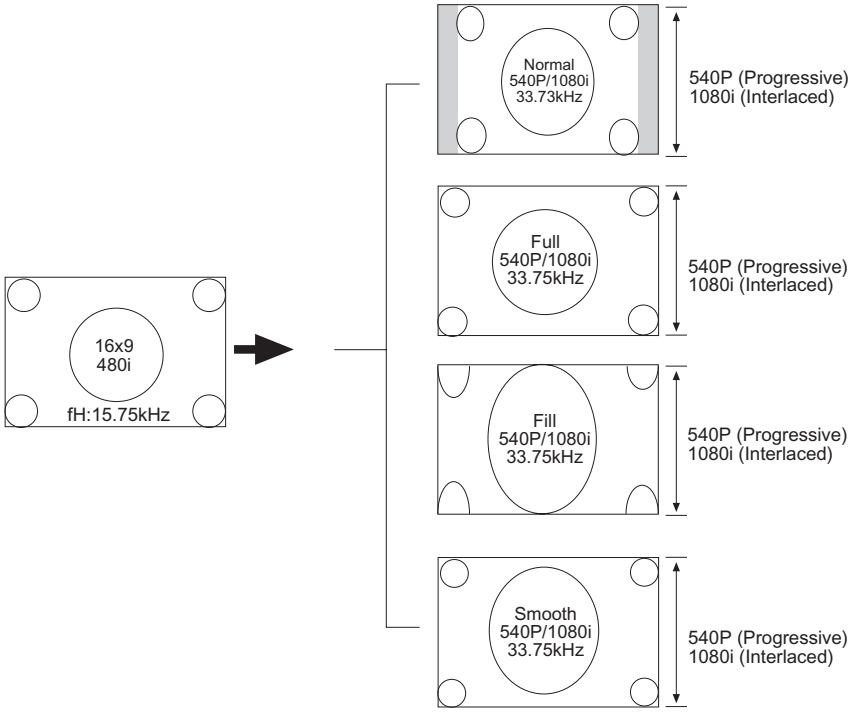
1. The aspect Style setting you select for an ANT input will automatically be set for the other ANT input. However, all three video inputs have independent Aspect Style settings.
2. You will not be able to access the V. Position menu if Aspect Style-Normal is set.
3. You will only be able to access the Aspect Style menu when viewing a 4:3-480i or 480P. When viewing a 16:9-1080i or 720P input you will not be able to access this menu. FULL mode will be automatically selected
4. If COMPONENT COLOR TYPE is set improperly (does not match actual input signal), the color and tint of the main picture will be abnormal.
5. You must be tuned to VIDEO: 4 or 5 input and have a component hooked up to the Y-$P_BP_R$ input jacks to access this component color type.
6. All component color type settings will affect only color component input you are currently viewing. If you are using both sets of component input jacks, be sure to set the component color type feature for both inputs.
7. Adjustable range of V. Position is -20 to +20 when receiving 480P picture.
8. When 1080i signal is input, Video Display menu will not be accessible.

**PICTURE FORMATS** Depending on the input signal, the picture format aspect ration allows you to adjust the image through the following options.

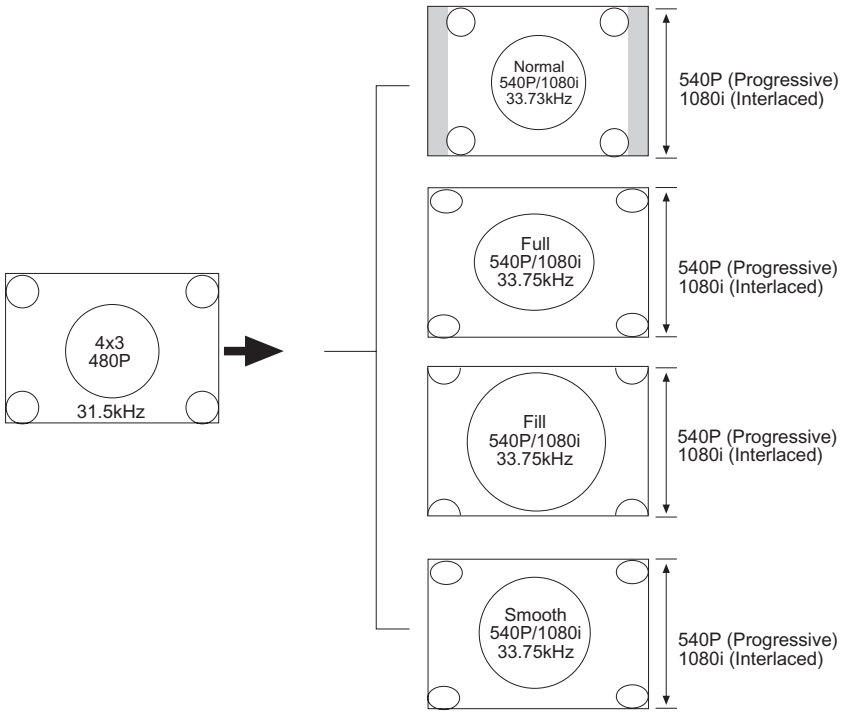
(1) NTSC/SDTV: 480i 4x3 (15.75kHz) ➔ 540P 16x9 (33.75kHz)
Screen Format: Normal, Full, Fill, Smooth



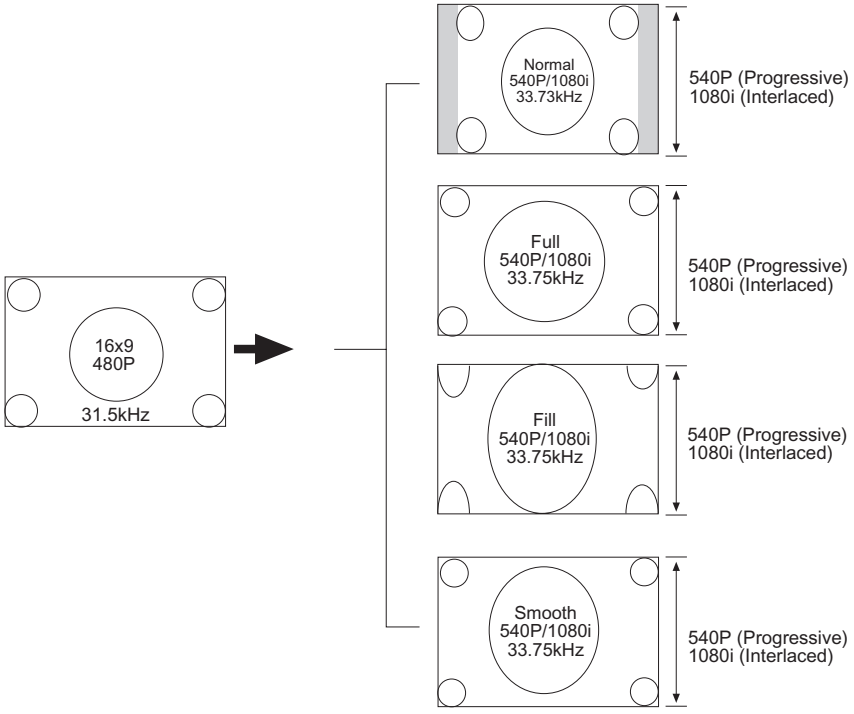

(2) SDTV: 480i 16x9 (15.75kHz) ➔ 540P 16x9 (33.75kHz)
Screen Format: Normal, Full, Fill, Smooth



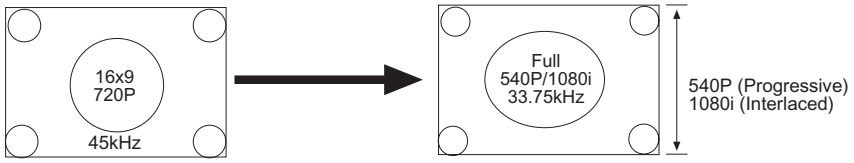
(3) SDTV: 480P 4x3 (31.5kHz) ➔ 540P/1080i 16x9 (33.75kHz)
Screen Format: Normal, Full, Fill, Smooth



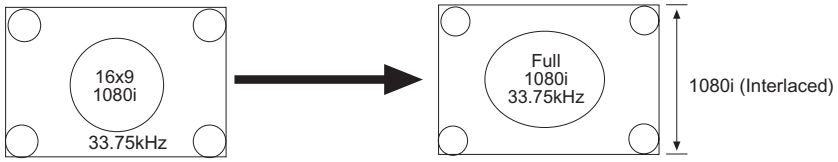

(4) SDTV: 480i 16x9 (15.75kHz) ➔ 540P 16x9 (33.75kHz)
Screen Format: Normal, Full, Fill, Smooth



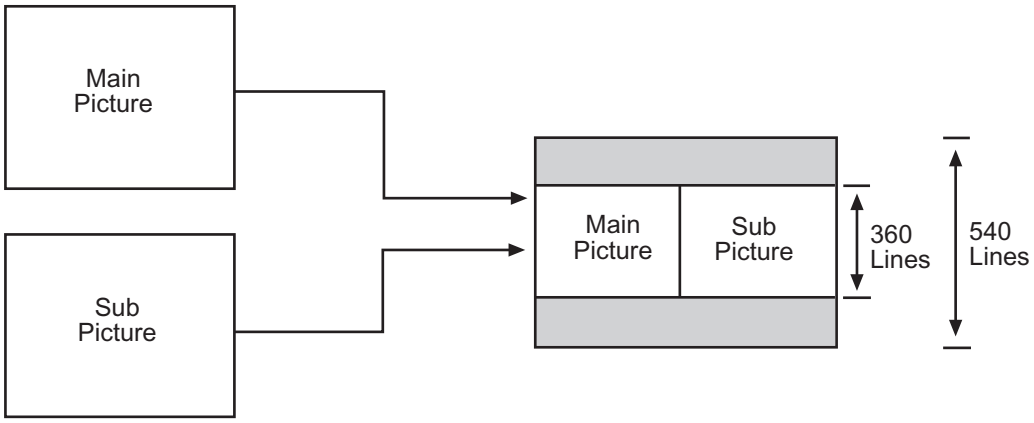
(5) HDTV: 720P 16x9 (45kHz) ➔ 540P/1080i 16x9 (33.75kHz)
Screen Format: Full Only



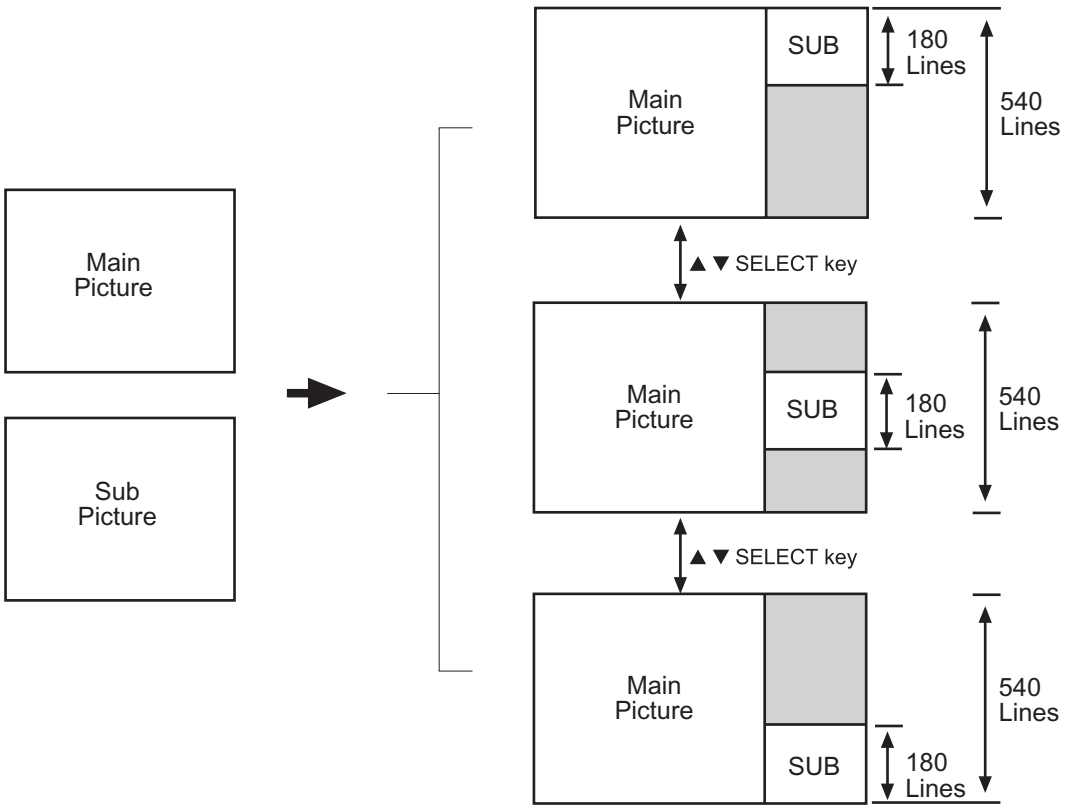

(6) HDTV: 1080i 16x9 (33.75kHz) ➔ 1080i 16x9 (33.75kHz)
Screen Format: Full Only



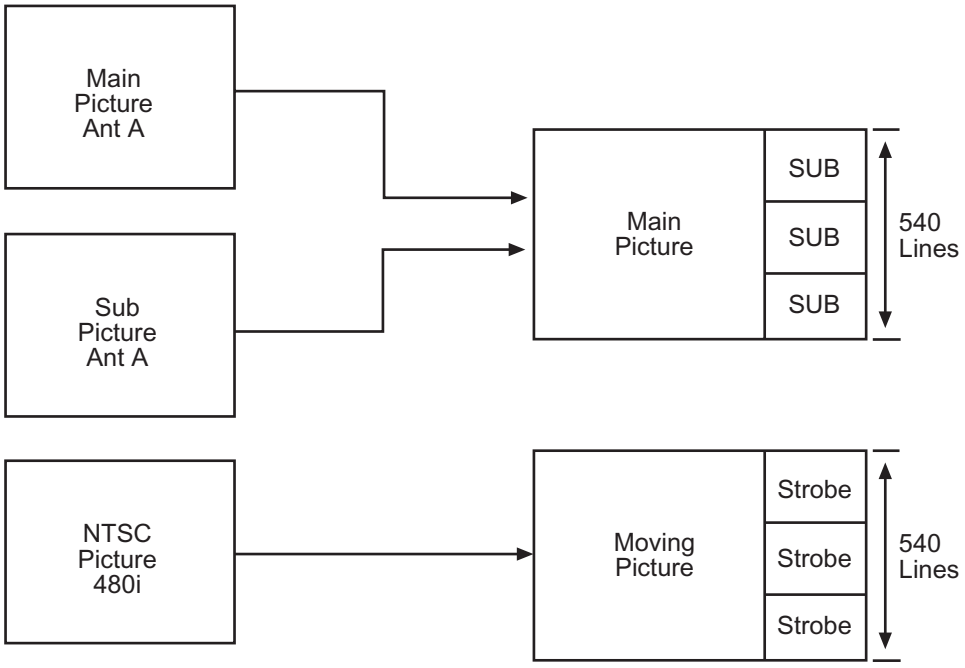

(7) PIP Split Mode All Signal ➔ 540P 4x3 (33.75kHz)



(8) PIP Single Mode




(9) PIP Surf/Strobe Mode



## SERVICE ADJUSTMENTS

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***IMPORTANT**

**For many of the above adjustments, it is necessary to have an HDTV (1080i or 720P) signal generator, SDTV (480P) signal generator, as well as the usual NTSC (480i) signal generator.**

**Hitachi recognizes that few companies offer HDTV or SDTV signal generators and that the cost of these generators is sometimes prohibitive. For this reason, we suggest the use of a set-top-box for HDTV and SDTV adjustments. Usually, there is a switch on the set-top-box which enables it to output HDTV (1080i or 720P) or SDTV (480P) signals even with no input. In this case, the sync is automatically detected by the TV (at the Y-$P_BP_R$ Inputs on the rear panel).**

## 1. ASSEMBLED P.W.B. ADJUSTMENT

### 1.1 Service Menu Access

Adjustment Procedure

(1) Press and hold INPUT key on Control Panel and then press POWER key on control panel to access I²C adjustment mode.

(2) Receive signal on main picture. (NTSC, SDTV or HDTV).
Some menu pages have I²C adjustments for SDTV and HDTV. The set will automatically allow you to set these items only when a SDTV or HDTV signal is input to the COMPONENT jacks on the back of the TV. See table below.

(3) Check the OSD according to table on pages 31~37, using THUMB STICK ▲, ▼ on Remote Control.
*: Adjustable Data
Others: Fixed Data (be careful not to change)

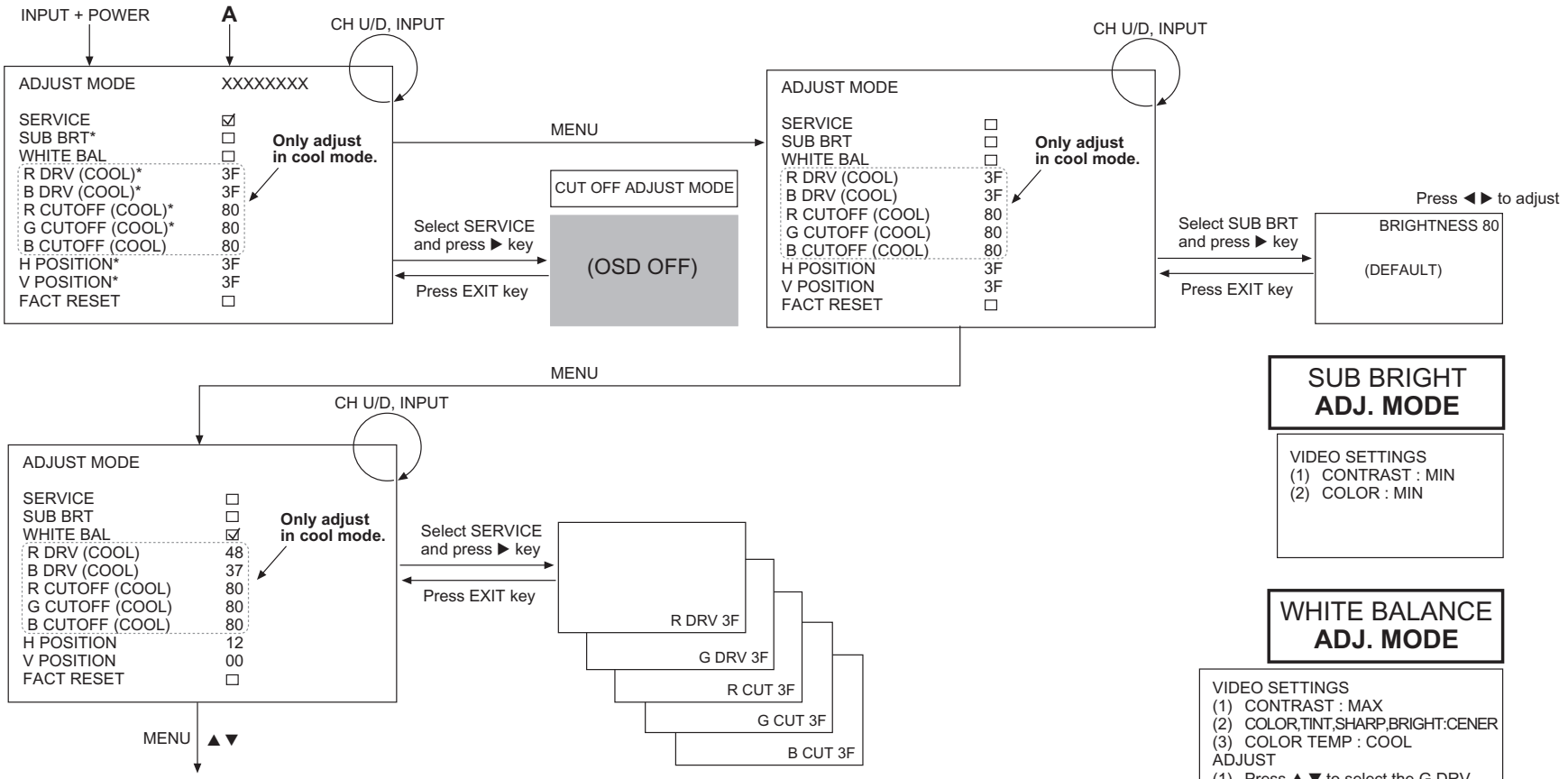
(4) Press EXIT key to exit I²C ADJUST mode.

NOTE: (1) If the TV I²C data is different from the I²C Parameter (pages 31~37) for fixed data, change the data.
(2) When exchanging microprocessor or EEPROM and TV is turned on for first time, it requires initialization of Memory Initial of I²C adjustment menu.
(3) Use FACTORY RESET to set TV to out of factory shipping conditions: Do not use MEMORY INITIALIZE.

BACK TO ADJUSTMENTS

## 1.2 I²C Parameter List

(1) Adjust Mode OSD
Press INPUT + POWER
of control panel.




SUB BRIGHT **ADJ. MODE**

VIDEO SETTINGS
(1) CONTRAST : MIN
(2) COLOR : MIN

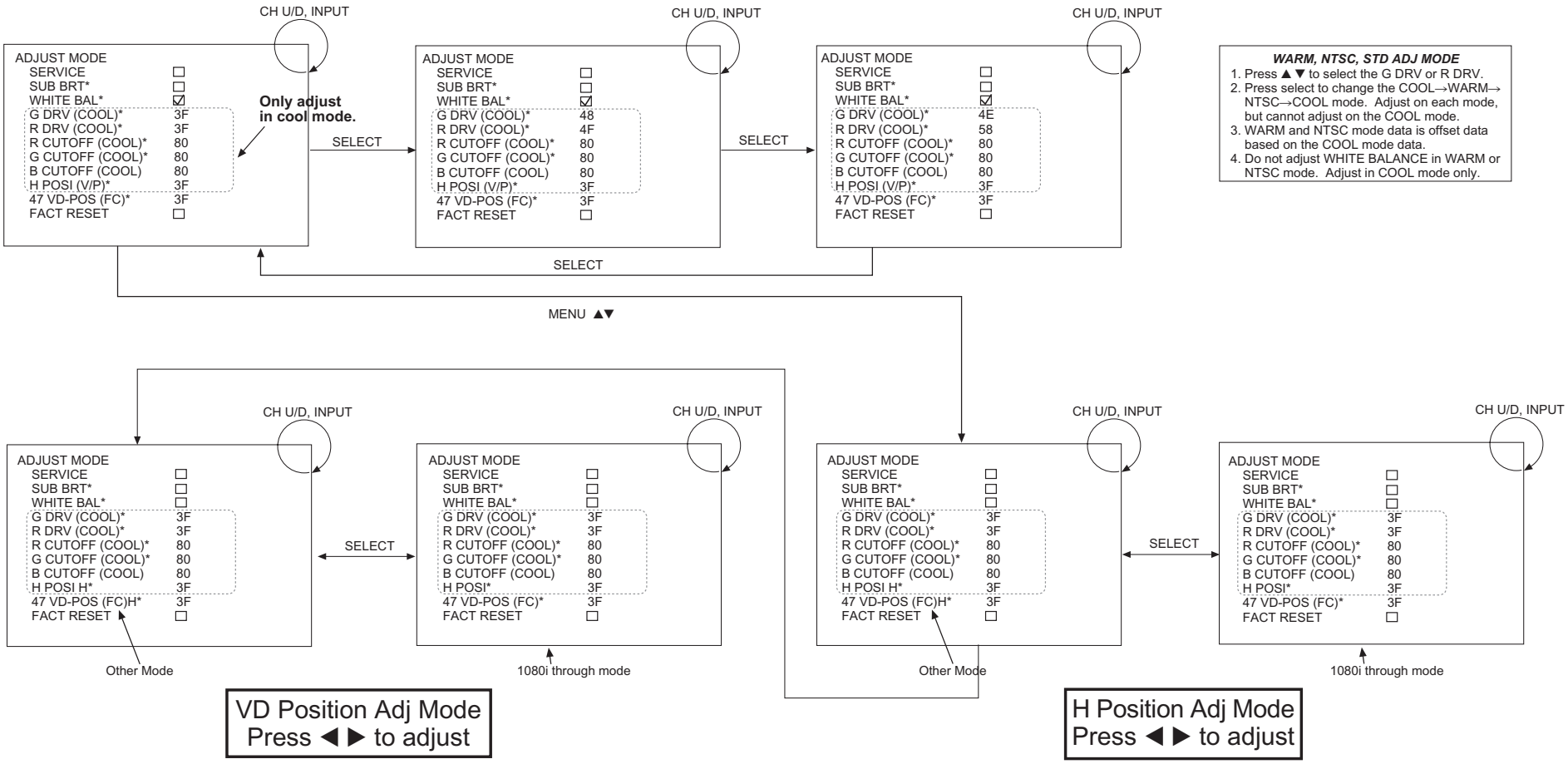
WHITE BALANCE **ADJ. MODE**

VIDEO SETTINGS
(1) CONTRAST : MAX
(2) COLOR,TINT,SHARP,BRIGHT:CENER
(3) COLOR TEMP : COOL
ADJUST
(1) Press ▲▼ to select the G DRV., R DRV., R CUT, G CUT, B CUT. (Initial position G/B DRV). G/B DRV, B/R DRV select by the DR R and DR BG.
(2) Press ◀ ▶ to adjust.

***: Adjustable data**
**others: Fixed data (be careful not to change)**
**:B CUTOFF (Cool) data should be fixed.**

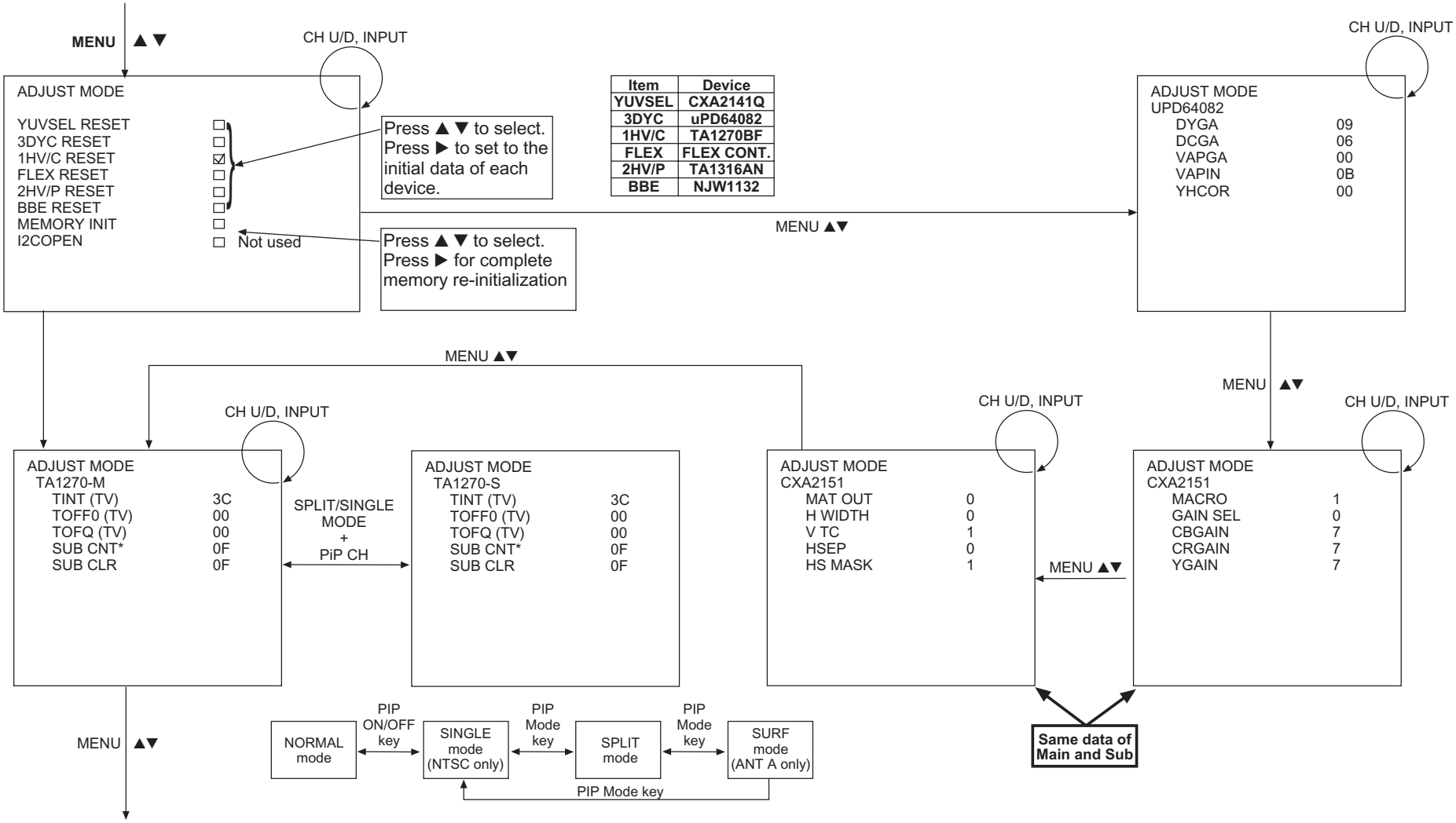
BACK TO ADJUSTMENTS

## 1.2 I²C Parameter List Cont.


CH U/D, INPUT
ADJUST MODE
SERVICE ☐
SUB BRT* ☐
WHITE BAL* ☑
G DRV (COOL)* 3F
R DRV (COOL)* 3F
R CUTOFF (COOL)* 80
G CUTOFF (COOL)* 80
B CUTOFF (COOL) 80
H POSI (V/P)* 3F
47 VD-POS (FC)* 3F
FACT RESET ☐
Only adjust in cool mode.
SELECT
G DRV (COOL)* 48
R DRV (COOL)* 4F
R CUTOFF (COOL)* 80
G CUTOFF (COOL)* 80
B CUTOFF (COOL) 80
H POSI (V/P)* 3F
47 VD-POS (FC)* 3F
G DRV (COOL)* 4E
R DRV (COOL)* 58
R CUTOFF (COOL)* 80
G CUTOFF (COOL)* 80
B CUTOFF (COOL) 80
H POSI (V/P)* 3F
47 VD-POS (FC)* 3F
MENU ▲▼
WARM, NTSC, STD ADJ MODE
1. Press ▲▼ to select the G DRV or R DRV.
2. Press select to change the COOL→WARM→ NTSC→COOL mode. Adjust on each mode, but cannot adjust on the COOL mode.
3. WARM and NTSC mode data is offset data based on the COOL mode data.
4. Do not adjust WHITE BALANCE in WARM or NTSC mode. Adjust in COOL mode only.
H POSI H* 3F
47 VD-POS (FC)H* 3F
H POSI* 3F
Other Mode
1080i through mode
VD Position Adj Mode
Press ◀ ▶ to adjust
H Position Adj Mode
Press ◀ ▶ to adjust

BACK TO ADJUSTMENTS

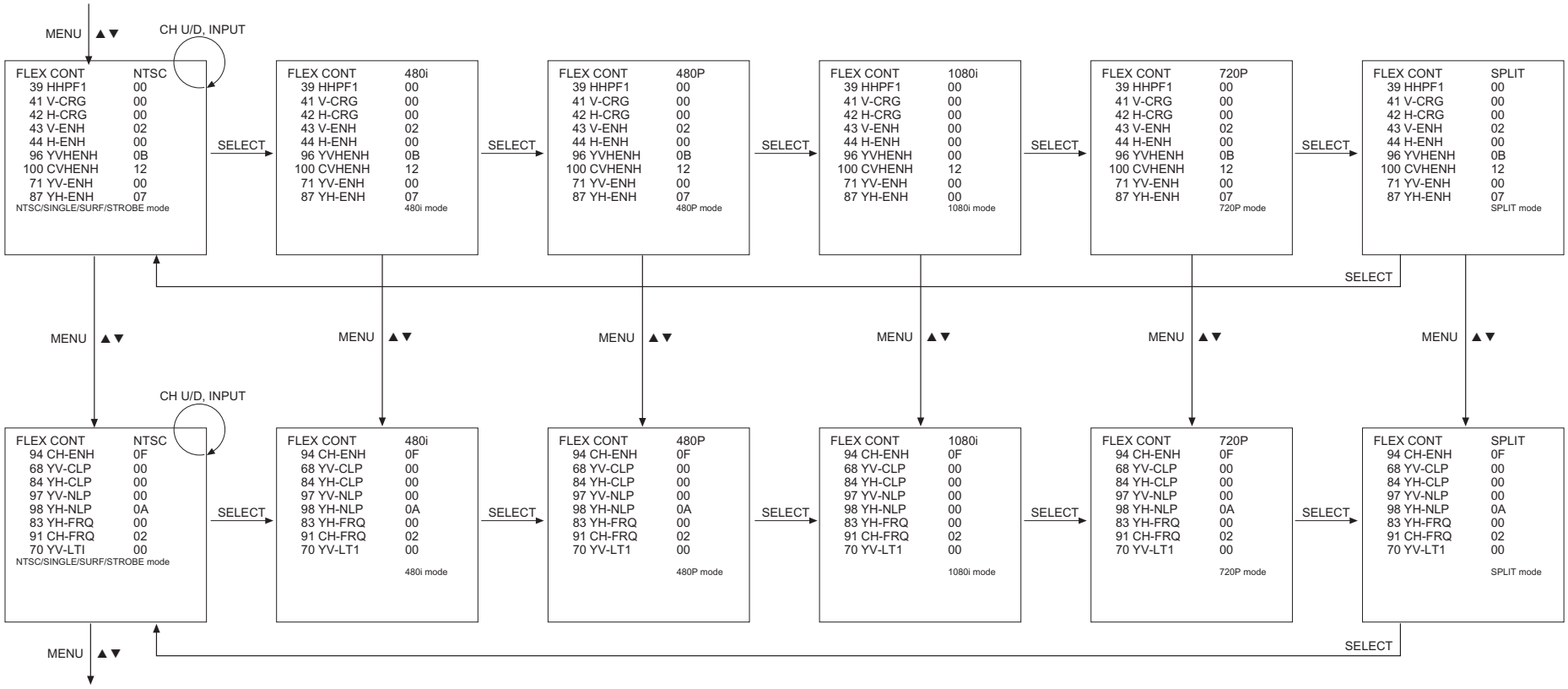
## 1.2 I²C Parameter List Cont.




**NOTE:** Memory Init. will reset all devices and factory settings. Use factory reset from previous page to restore unit to factory settings condition.

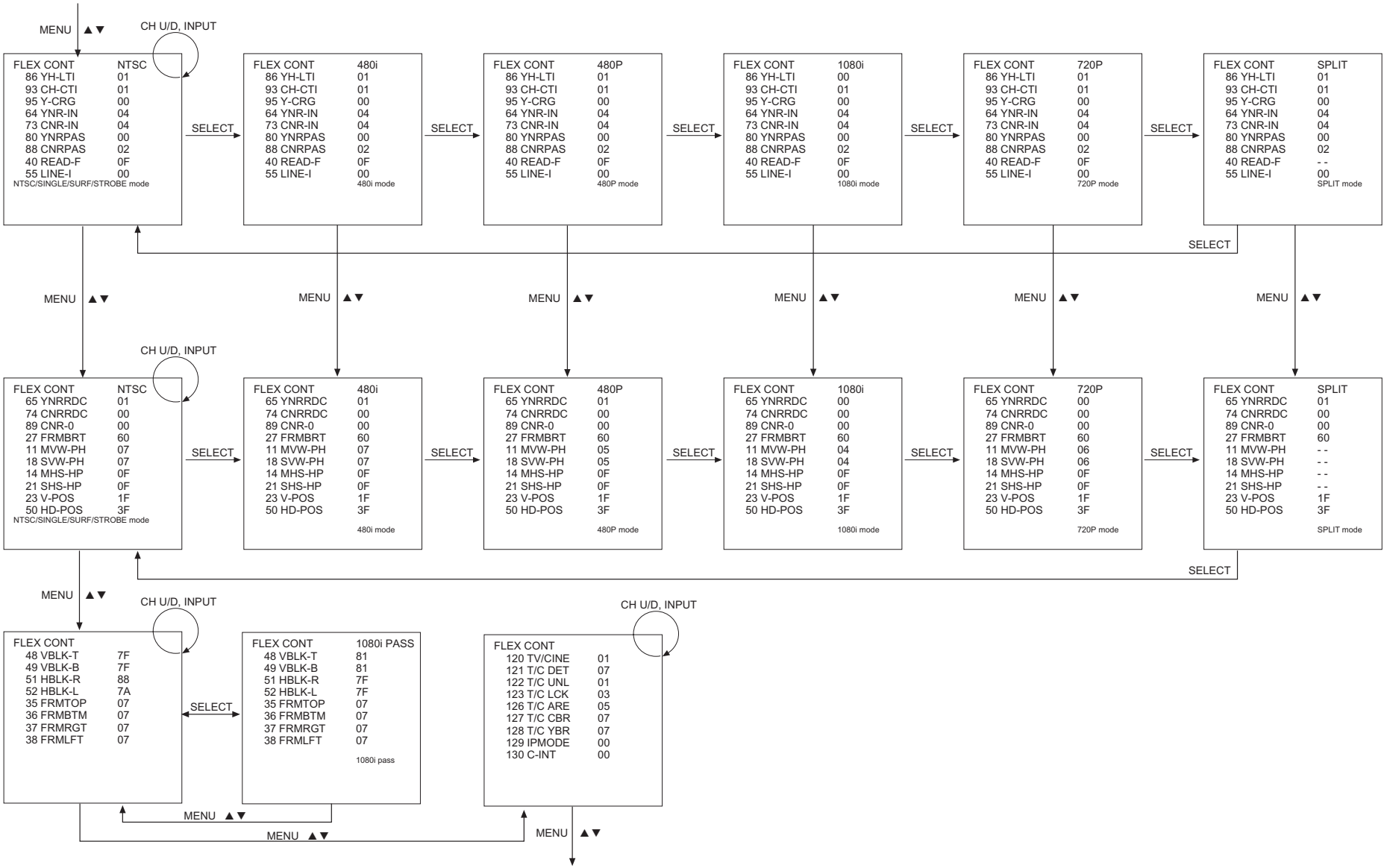
BACK TO ADJUSTMENTS

## 1.2 I²C Parameter List Cont.




BACK TO ADJUSTMENTS

## 1.2 I²C Parameter List Cont.

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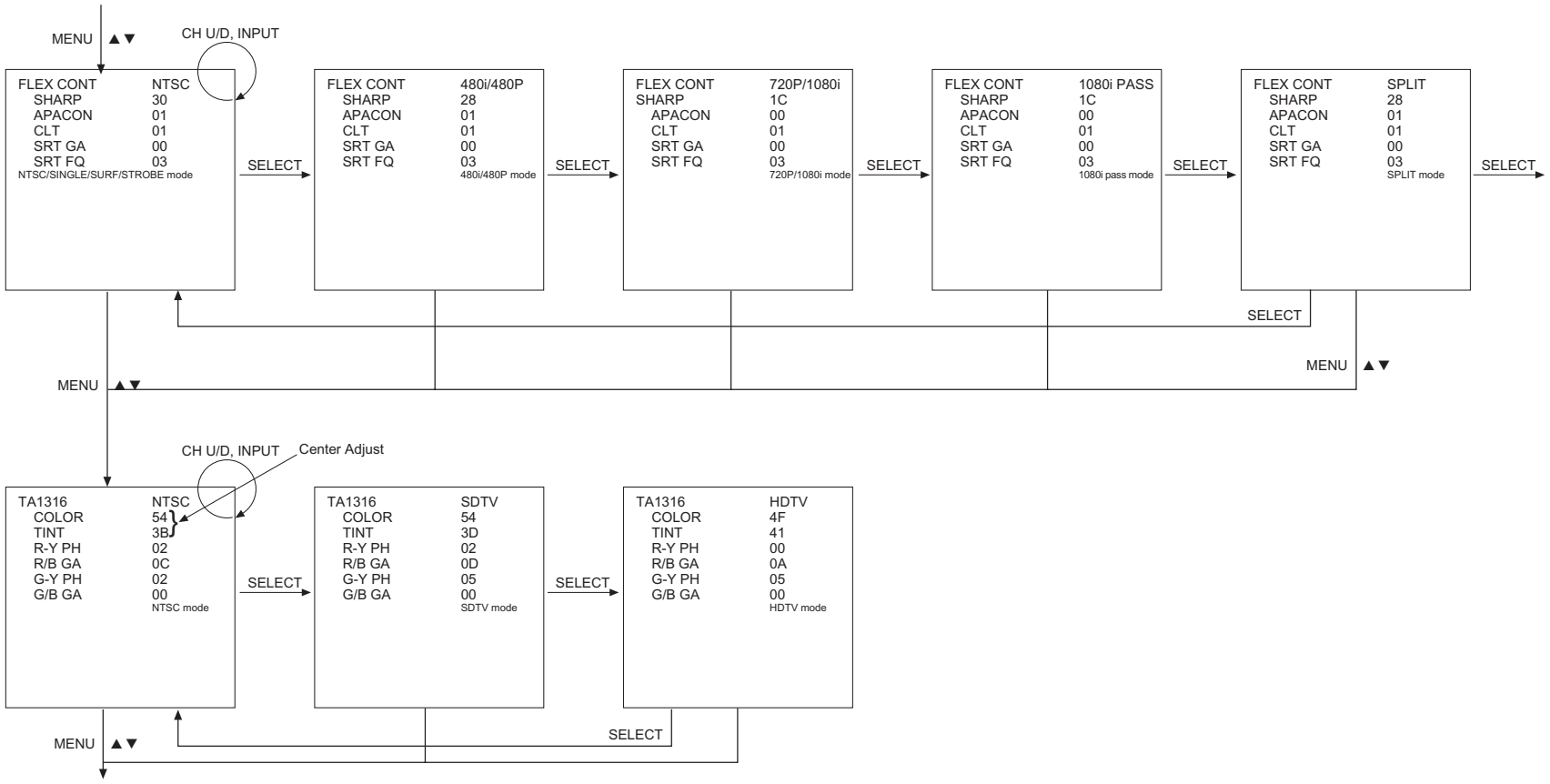
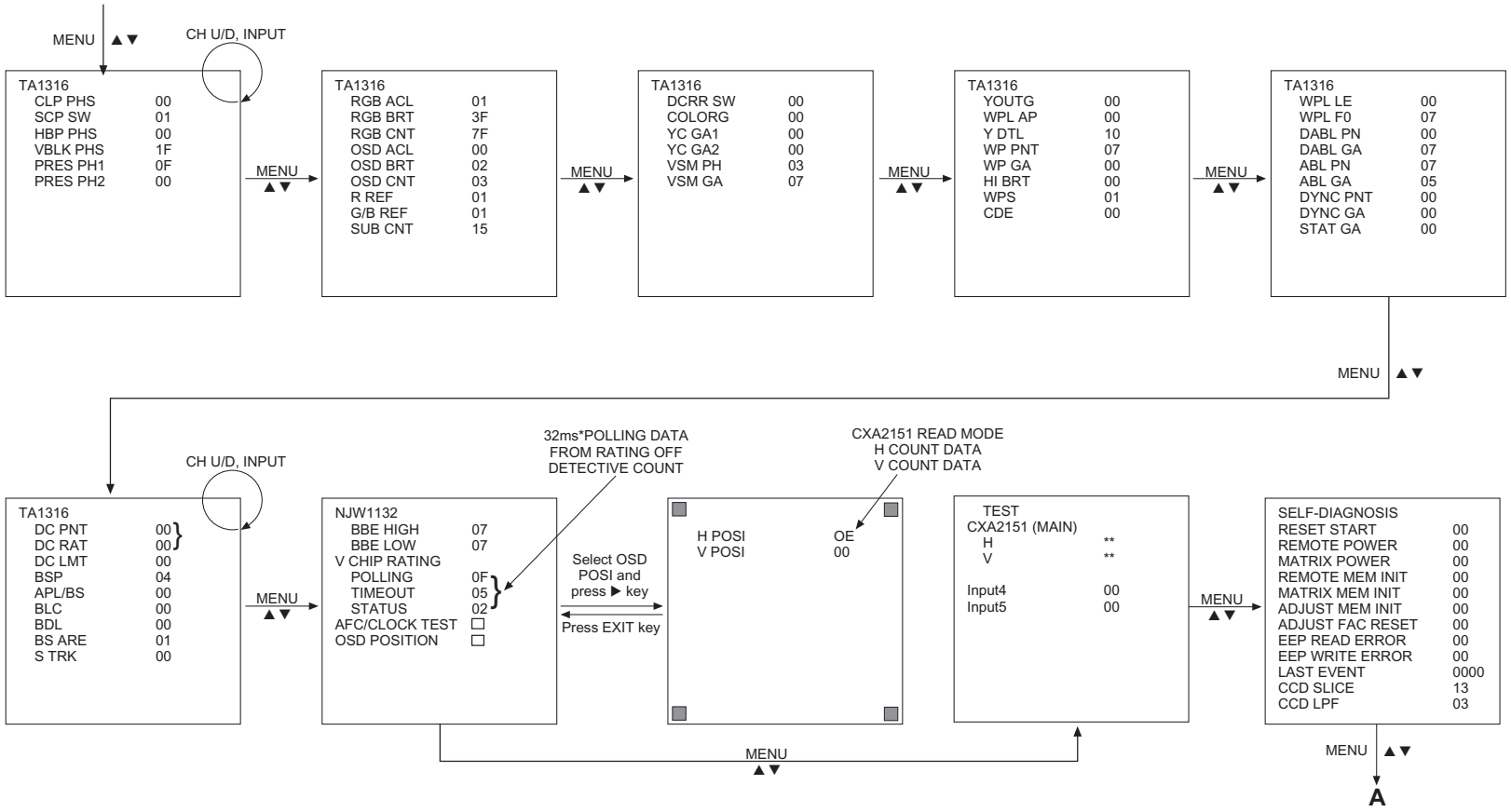
## 1.2 I²C Parameter List Cont.




BACK TO ADJUSTMENTS

## 1.2 I²C Parameter List Cont.




BACK TO ADJUSTMENTS

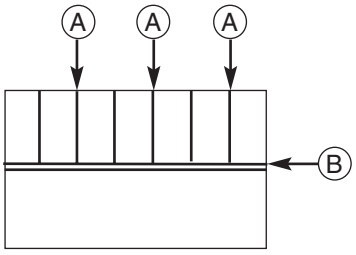
## 1.2 Comb filter operation check

Adjustment preparation

(1) Receive the color bar signal at the regular tuning point.
(2) Set the CONTRAST control to MAX and the other controls to center.
(3) Set the PERFECT PICTURE to OFF.

Adjustment procedure

(1) Check that between the color bars there are line dots every second color bar as shown in the drawing.




Check (A) and (B) line dots.

| LINE | DOT |
|---|---|
| (A) | X |
| (B) | X |

## 1.3 Video Settings (Advanced Settings)

1.3.1 Perfect Picture Check

(1) Receive the color bar signal.
(2) Select video mode by THUMB STICK cursor.
(3) Use THUMB STICK ▼ to highlight advanced settings and then press THUMB STICK ▶ to enter Advanced Settings Mode.
(4) Select Perfect Picture by pressing THUMB STICK ▼.
(5) Check that the display becomes dark when the light sensor QM002 (light detect transistor on the control P.W.B.) is covered with hands.
(6) Set Perfect Picture to OFF by pressing select button and check that contrast of the display returns to normal.

1.3.2 Auto Color Check

(1) Set to the color control to MAX.
(2) Select Auto Color.
(3) Set Auto Color: OFF by pressing select button and check the red part of color bar signal grows deeper.
(4) Retrun to Auto Color: ON by pressing select button.
(5) Retrun the color control to center.

1.3.3 Noise Reduction Check

(1) Receive the color bar signal.
(2) Select noise reduction.
(3) Check that the noise in the picture is reduced.

1.3.4 Color Temperature Check

(1) Receive Circle pattern signal.
(2) Select COLOR TEMPERATURE.
(3) Check that the picture is reddish when set to WARM and bluish when set to COOL.

1.3.5 Velocity Modulation Check

(1) Select VELOCITY MODULATION.
(2) Check that the edge of the vertical line of the picture is thicker.

1.3.6 Black Level Expansion Check

(1) Select BLACK LEVEL EXPANSION.
(2) Check that the Black Level is sink at black portion of picture.

BACK TO ADJUSTMENTS

**Important:** High Voltage adjustment should NOT be adjusted in field. This is adjusted at factory using precise loads and should NOT be readjusted.

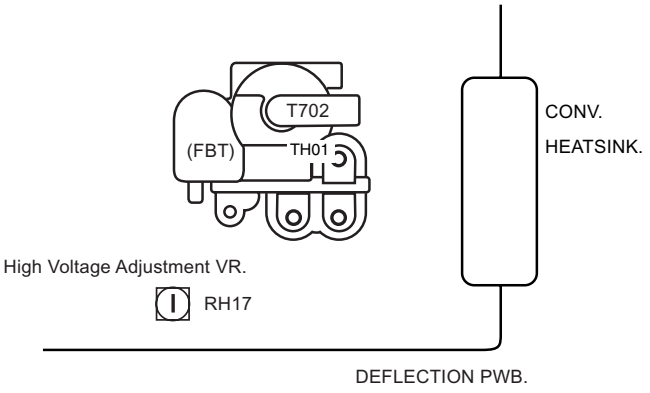
### 1.4 High Voltage Adjustment (should NOT be readjusted in field).

Adjustment preparation

(1) Connect High Voltage meter to FBT High Voltage output. Connect GND of High Voltage meter to CPT GND or FBT GND.
(2) Check that High Voltage adjustment VR (RH17) is set to mechanical center. (located behind FBT on DEFLECTION PWB).
(3) Receive circle pattern signal.
(4) VIDEO control should be reset.

Adjustment procedure

(1) Adjust High Voltage to following spec. by turning VR RH17 slowly. ADJ. SPEC = 31.7±0.2kV(DP17),
= 30.2±0.2kv(DP14G).
(2) After adjustment, fix VR RH17 with Silicone glue (KE40RTV).



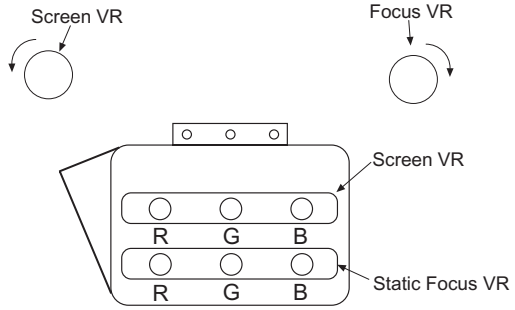

## 2. FINAL ASSEMBLY ADJUSTMENT

### 2.1 Cut Off Adjustment

Adjustment preparation

(1) Adjust screen VR s on Focus Pack fully counterclockwise.
(2) Adjust Focus VR s on Focus Pack fully clockwise.
(3) Set video conditions to factory preset.
(4) The vertical incident illumination on the screen should be 20 lux or less (room should be dark).

**FOCUS PACK**




Adjustment procedure

(1) Press and hold INPUT key on control panel and then POWER ON to access I²C adjustment mode.
(2) Choose “SERVICE” item from I²C adjustment menu by pressing THUMB STICK ▶.
(3) Screen VR should be turned clockwise gradually and set so that retrace line begins to appear.
(4) Return to “NORMAL” mode by THUMB STICK ◀ again.
(5) Adjust Focus VR’s so that focus is even all around screen.

### 2.2 DCU Phase Data Setting

Adjustment preparation

(1) Cut off adjustment should be finished.
(2) Set video conditions to factory preset.

Adjustment procedure

(1) Receive any NTSC signal.
(2) Push “SERVICE ONLY” SW on CONV. FOCUS PWB. (Enter to DCU ADJ. mode).
(3) Push HELP key on R/C. (Green cross hatch is displayed).
Then push EXIT key on R/C. (Character pattern is displayed. This is the PHASE setting mode).
(4) Set PH-H phase data as shown below by using 4 and 6 key on R/C.
(5) Set PH-V phase data as shown below by using 2 and 5 key on R/C.
(6) Set CR-H phase data as shown below by using THUMB STICK ◀ and ▶ key on R/C.
(7) Set CR-V phase data as shown below by using THUMB STICK▲ and ▼ key on R/C.
(8) Push HELP key on R/C to exit from the PHASE mode.
(9) Push PIP MODE key 2 times on R/C to write the phase data to memory.
(10) When Green dots are displayed, push MUTE key to return to DCU ADJ. mode.
(11) Push “SERVICE ONLY” SW to return to RF or VIDEO mode.

| PHASE MODE |
|---|
| PH-H :BF |
| PH-V: 07 |
| CR-H: 4C |
| CR-V: 0C |

BACK TO ADJUSTMENTS

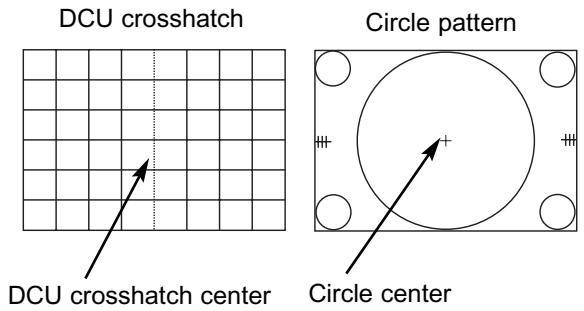
## 2.3 Horiontal Position Adjustment (Coarse)

Adjustment preparation

(1) DCU PHASE DATA SETTING should be finished.

Adjustment procedure

(1) Receive circle pattern (03ch.)
(2) Push SERVICE ONLY switch to display DCU crosshatch. Mark the DCU crosshatch center position using your finger tip.
(3) Push SERVICE ONLY switch again to exit from the DCU crosshatch.
(4) Go to I²C ADJ. mode.
(5) Choose H. POSI item by using R/C MENU (or up/down cursor) key. Adjust horizontal position to match the circle center to DCU crosshatch center (marked by your finger tip).
(6) Exit from I²C menu.



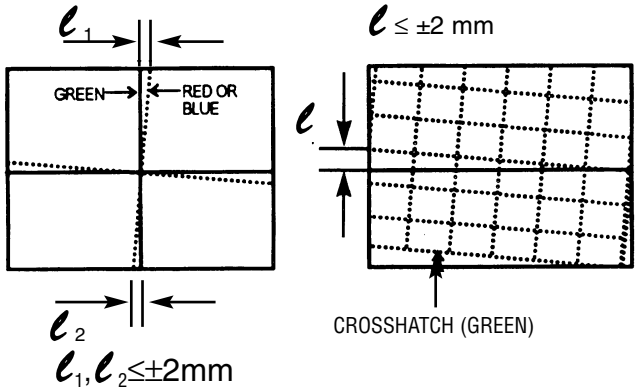

## 2.4 Raster Tilt adjustment (Deflection yoke)

Adjustment preparation

(1) The set can face east or west.
(2) Input the single cross test signal.
(3) Set video conditions to factory preset.
(4) The lens focus and horizontal position adjustment should have been coarse adjusted.
(5) The electrical focus should have been coarse adjusted.
(6) The digital convergence RAM should be cleared (uncorrected state). With the TV set off, press and hold the service switch located on the Power/Deflection PWB and then press the power button.
(7) Start adjustment 20 minutes or more after TV is turned on.

Adjustment procedure

(1) Short-circuit 2P (TS) sub-mini connectors on Red and Blue CPT P.W.B.s to project only the Green beam.
(2) Turn the G deflection yoke and adjust the vertical raster inclination.
(3) Then, remove the shorted wire on the 2P(TS) sub-mini connectors on the R or B CPT PWB and project red or blue light and green light together on screen.
(4) Turn the deflection yoke of R or B and set so that the inclination of R or B light with respect to the green light is as shown below on the top and bottom sides.
(5) After raster inclination adjustment, fixing screw of DY should be screwed with 12±2kg-cm torque.




**Notes:** (1) If internal cross-hatch does not appear after clearing RAM data, press service switch again, on POWER/DEFLECTION PWB.
(2) To resotre old RAM data, turn TV off and on.

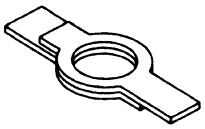
## 2.5 Beam alignment

Adjustment preparation

(1) Adjust at least 30 minutes after turning on power switch.
(2) Raster tilt should be completed. Raster position, horizontal and vertical size, and optical focus adjustment should be coarse adjusted.
(3) Set video conditions to factory preset.
(4) Receive cross-hatch signal.

Adjustment procedure

(1) Green (G) tube beam alignment adjustment. Short-circuit 2P subminiature connector plug pins of Red (R) and Blue (B) on the CPT boards and project only Green (G) light or you may cover the R and B lens.
(2) Put Green (G) tube beam alignment magnet to the cancel state as shown below.



(3) Turn the Green (G) static focus (Focus Pack) counterclockwise all the way and make sure of position of cross-hatch center on screen. (Halo state.)
(4) Turn the Green (G) static focus (Focus Pack) clockwise all the way. (Blooming state.)
(5) Turn two magnets forming alignment magnet in any desired direction and move cross-hatch center to position found in (3).
(6) If image position does not shift when Green (G) static focus (Focus Pack) is turned. Green (G) beam alignment has been completed.
(7) If image position shifts when Green (G) static focus (Focus Pack) is turned, repeat (2)-(6).
(8) Conduct beam alignment for red (R) and Blue (B) focus: Focus Pack UFPK.
(9) Upon completion of adjustment, fix beam alignment magnets with white paint.

BACK TO ADJUSTMENTS

## 2.6 Raster position adjustment

Adjustment preparation

(1) The set can face east or west.
(2) Input the single cross test signal.
(3) Set video conditions to factory preset.
(4) The electric focus should have been coarse adjusted.
(5) The digital convergence RAM should be cleared (uncorrected state). With the TV set off, press and hold the service switch located on the Power/Deflection PWB and then press the power button.
(6) Start adjustment 20 minutes or more after TV is turned on.

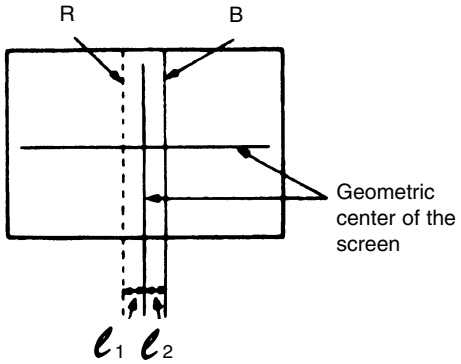
Adjustment procedure

(1) Turn the centering magnets for red, green, and blue to satisfy the condition below. The red and blue horizontal lines should match with green.

| | $\ell_1$ (RED) | $\ell_2$ (BLUE) |
|---|---|---|
| 43 | 25 | 30 |
| 53 | 20 | 25 |
| 61 | 15 | 25 |

Tolerance: ± 2mm

Units = millimeters
25.4mm = 1in.




(2) Upon completion of adjustment, fix centering magnets with white paint.

**NOTES:** (1) If internal cross-hatch does not appear after clearing RAM data, press service switch again.
(2) To restore old RAM data, turn TV off and on.

## 2.7 Vertical size adjustment

**BACK TO ADJUSTMENTS**

Adjustment preparation

(1) The set can face east or west.
(2) Set video conditions to factory preset.
(3) The electric focus should have been coarse adjusted.
(4) Start adjustment 20 minutes or more after TV is turned on.

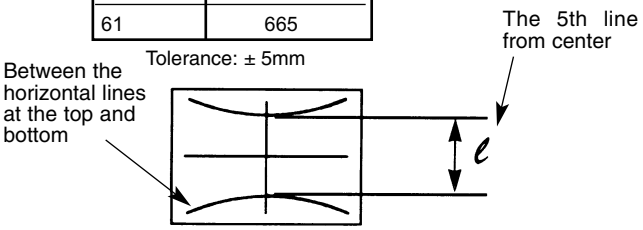
Adjustment procedure

(1) Receive any NTSC signal.
(2) Press the SERVICE ONLY SW on CONVERGENCE FOCUS PWB and POWER to display DCU uncorrected convergence data.
(3) Locate the vertical size VR (R607) on DEFLECTION PWB. Adjust the vertical size according to the following table.

| $\ell$ = | NORMAL MODE |
|---|---|
| 43 | 470 |
| 53 | 580 |
| 61 | 665 |

Tolerance: ± 5mm

Units = millimeters
25.4mm = 1in.




**Notes:**(1) If internal cross-hatch does not appear after clearing RAM data, press service switch again (on POWER/DEFLECTION PWB).
(2) To restore old RAM data, turn TV off and on.
(3) V-Size is only done in NORMAL mode (NTSC).

## 2.8 Horizontal size adjustment

Adjustment preparation

(1) The set can face east or west.
(2) Set video conditions to factory preset.
(3) The electric focus should have been coarse adjusted.
(4) Start adjustment 20 minutes or more after TV is turned on.

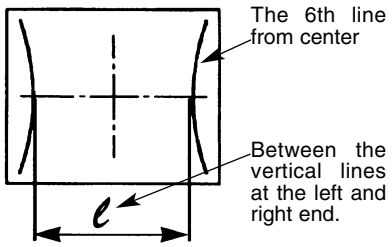
Adjustment procedure

(1) Receive any NTSC signal.
(2) Press the SERVICE ONLY SW on CONVERGENCE/FOCUS PWB and POWER to display DCU unceorrected converge data.
(3) Locate the horizontal size VR (R711 on POWER/DEF PWB). Adjust horizontal size to the table below.

| $\ell$ = | NORMAL MODE |
|---|---|
| 43 | 880 |
| 53 | 1060 |
| 61 | 1250 |

Tolerance: ± 5mm

Units = millimeters
25.4mm = 1in.




**Notes:** (1) Once Normal mode Horizontal size adj. is done. To restore old RAM data, turn TV off and on.
(2) After adjustment, press SERVICE ONLY switch to exit DCU crosshatch.
(3) H. SIZE adjustment is only done in NORMAL MODE (NTSC).

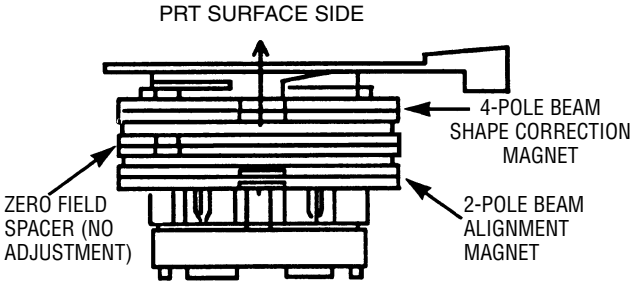
## 2.9 Beam form adjustment

Adjustment preparation

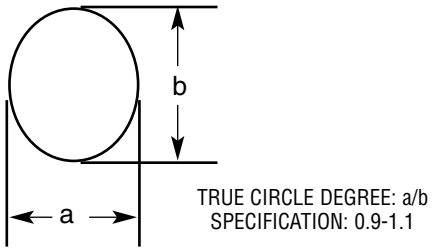
(1) The beam alignment should have been completed.
(2) The raster tilt, centering, horizontal/vertical size, scanning area check, and raster distortion should have been completed.
(3) Set video conditions to factory preset.
(4) Input the dot signal.

Adjustment procedure

(1) Green PRT beam shape adjustment. Short-circuit 2P (TS) sub-mini connectors on Red and Blue CPT P.W.B.s to project only the Green beam.
(2) Turn the green static focus VR, on the Focus Pack, fully clockwise. (Blooming)
(3) Make the dot at the screen center a true circle using the 4-pole magnet as shown below.
(4) Also adjust the Red and Blue PRT beam shapes according to the steps (1) to (3).
(5) After the adjustment has been completed, return R, G and B static VRs to the just focus point.




TRUE CIRCLE SPECIFICATION




## 2.10 LENS FOCUS ADJUSTMENT

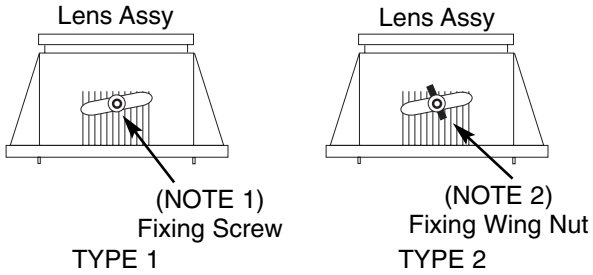
Adjustment preparation

(1) The orientation of PTV set is arbitrary, west, east, north and south.
(2) Centering DY inclination should have been adjusted.
(3) Electrical focus adjustment should have been completed.
(4) Drive VR location adjustment should have been completed. (Red : 12 O clock, Green : 1~2 O clock).
(5) Receive the cross-hatch pattern signal.
(6) Refer to setup below.
CONTRAST : HALF of full scale.
BRIGHTNESS : minimum

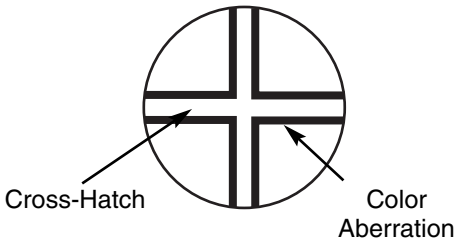
Adjustment procedure

(1) Loosen the fixing screw or wing nut on the lens cylinder so that the lens cylinder can be turned. (Be careful not to loosen too much). After completing steps (4), (5), (6) below, tighten the fixing screws or wing nuts for each lens with a torque of 1.18N.m (12Kgf cm) ~ 1.67N.m (17Kgf cm).

(Be careful the lens cylinder does not turn after having tightened the screw or wing nuts. If it is tightened too much, lens may tilt or screw may break.)

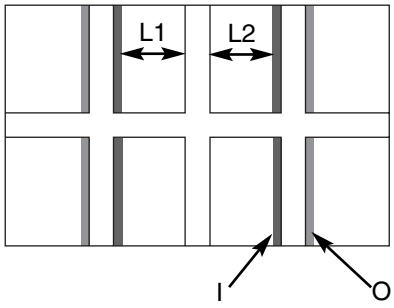



(2) Apply covers to each color of R, G and B lenses. And project a single color on the screen and adjust in sequence. (The adjustment order of G, R and B is only an example.)
(3) If the lens adjustment knob is turned clockwise viewed from the front, the color Aberration change as follows.




| | Change of Color Aberration | |
|---|---|---|
| | Short focus | Long focus |
| RED LENS | Orange | Scarlet |
| GREEN LENS | Blue | Red |
| BLUE LENS | Purple | Green |

(4) In case of G lens. Set to the point where the chromatic aberration switches from blue to red. If the chromatic aberration appearing all over the screen is not the same, observe the vertical bright line and adjust lens focus as specified in table below. When the red chromatic aberration appearing at both sides of the bright line is not equal, observe the side with larger chromatic aberration when adjusting.



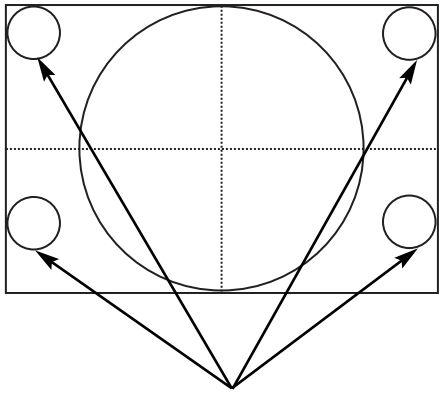

BACK TO ADJUSTMENTS

## OPTICAL FOCUSING ADJUSTMENT GREEN

| CHASSIS | | DP17 | | DP14G | | |
|---|---|---|---|---|---|---|
| SCREEN SIZE | | 61 | 53 | 43 | 53 | 61 |
| L1 and L2 (PITCHES from CENTER) | | 0.0 | 0.0 | 3.0 | 3.0 | 3.0 |
| COLOR ABERRATION | BETWEEN L1&L2 | * | ** | * | * | * |
| | I | ** 2.5mm MAX | ** 2.5mm MAX | * 3.0mm MAX | * 2.5mm MAX | * 2.0mm MAX |
| | O | ** 2.5mm MAX | ** 2.5mm MAX | ** 3.0mm MAX | * 3.0mm MAX | * 2.0mm MAX |

(NOTE) * Slightly reddish or no color
** Slightly reddish or no color

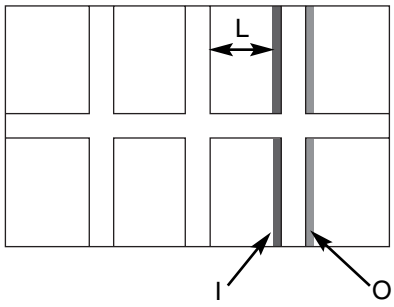
Change the signal to the circle pattern and fine adjust. Observe the corner part of the screen, especially observe number in the small circle when adjusting. If the focus performance at the screen center exceeds the lower limit, it is acceptable.



Small circle of circle pattern

NOTES: 1. Since the G light is very important for picture quality and performance, pay special attention in its adjustment.
2. Be careful not to touch the lens with your fingers when adjusting.

(5) In case of R lens. Set the position where the chromatic aberration changes from red to crimson. As shown below, observe the vertical bright line and adjust lens focus where the crimson or red chromatic aberration slightly appears inside, and crimson or red outside (reference value : 1~4mm) at the point specified in table below. Change the signal and fine-adjust the same way as the G lens.




NOTE: Setting the center between Red and crimson is optimum.

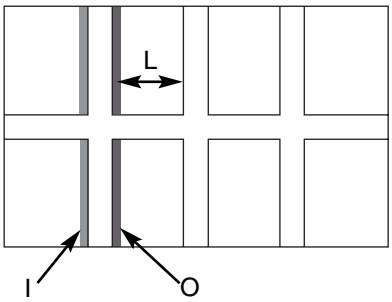
## OPTICAL FOCUSING ADJUSTMENT RED

| CHASSIS | | DP17 | | DP14G | | |
|---|---|---|---|---|---|---|
| SCREEN SIZE | | 61 | 53 | 43 | 53 | 61 |
| L1 and L2 (PITCHES from CENTER) | | 0.0 | 3.0 | 3.0 | 4.0 | 4.0 |
| COLOR ABERRATION | BETWEEN L1&L2 | - | * | * | * | * |
| | I | * 2.5mm MAX | * 2.5mm MAX | * 3.5mm MAX | * 3.0mm MAX | * 2.0mm MAX |
| | O | ** 2.5mm MAX | ** 2.5mm MAX | ** 3.5mm MAX | * 3.0mm MAX | * 2.0mm MAX |

(NOTE) * Slightly reddish or no color
** Slightly reddish or no color

(6) In case of B lens. Set the position where the chromatic aberration changes from purple to green. As shown below, observe the vertical bright line and adjust lens focus where the purple or green chromatic aberration slightly appears inside and purple or green outside (reference value : 1~4mm) at the point specified in table below. Change the signal and fine-adjust in the same way as the G lens.

BACK TO ADJUSTMENTS




NOTE: Setting to the center between purple and crimson is optimum.

OPTICAL FOCUSING ADJUSTMENT BLUE

| CHASSIS | | DP17 | | DP14G | | |
|---|---|---|---|---|---|---|
| SCREEN SIZE | | 61 | 53 | 43 | 53 | 61 |
| L1 and L2 (PITCHES from CENTER) | | 0.0 | 3.0 | 3.0 | 4.0 | 4.0 |
| COLOR ABERRATION | BETWEEN L1&L2 | - | * | * | * | * |
| | I | * 2.5mm MAX | * 2.5mm MAX | * 3.5mm MAX | * 3.0mm MAX | * 2.0mm MAX |
| | O | * 2.5mm MAX | ** 2.5mm MAX | ** 3.5mm MAX | * 3.0mm MAX | * 2.0mm MAX |

(NOTE) * Slightly reddish or no color
** Slightly reddish or no color

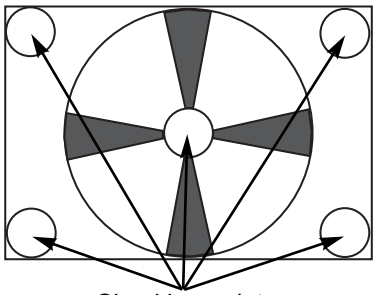
(7) After all colors have been adjusted, display all colors with the cross-hatch pattern signal and check the focus performance.
(8) Then, select the circle pattern signal and check the focus performance of each color and all colors together.
(9) If the focus performance is not acceptable re-adjust step (1) to (6).

## 2.11 STATIC FOCUS ADJUSTMENT

Adjustment preparation
(1) LENS FOCUS adjustment should be finished.
(2) Contrast : MAX
Brightness : Center.
(3) Receive the circle pattern signal.
(4) Apply covers to the lens of the colors you are not adjusting and project only one color on the screen.

Adjustment procedure
(1) Red and blue static focus adjustment. Adjust the static focus VR on Focus pack (UFPK) so that the center of circle pattern is the most clear. Check that the focus does not get conspicuously worse at the edges of the circle pattern signal or cross-hatch signal.
(2) Green static focus adjustment. Adjust the static focus VR on Focus pack (UFPK) (for green) so that the center of circle pattern is the most clear. Check that the focus does not get conspicuously worse at the checking point, the periphery of circle pattern cross-hatch signal.

NOTE: Checking point for the periphery of picture.



Checking point

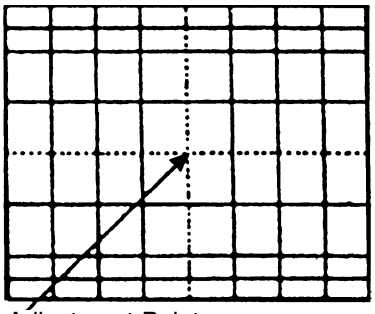
## 2.12 Digital convergence adjustment

**Note:** 1. If replacing a PRT, DY, etc. perform auto-digital convergence first. (Press front panel MAGIC FOCUS switch in normal and in through mode). This can eliminate the need for a complete digital convergence alignment.

**2. To enter digital convergence adjustment mode without removing the front speaker grill, please do the following:**

1) Press “Magic Focus” button on the front panel.
2) While “Magic Focus” is running, press Magic Focus button again to “Stop”.
3) Press “RECALL” or “STATUS” button after “STOP” OSD appears on the screen to enter digital convergence mode.
4) Proceed with convergence adjustment and save the data.
5) Do MAGICS FOCUS sensor initialization.
6) To exit, press POWER button on the front panel.
7) Normal and through 1080i modes are stored separately. Each one has it’s own memory setting.

Adjustment preparation
(1) Receive an RF or video signal.
(2) Set controls to factory preset.
(3) Install jig screen on the set.
(4) Note the center of the video pattern displayed. This is necessary to match dotted lines (adjustment point viewed) and actual point that is adjusted and displayed by the video signal.
(5) Press the service only switch (on CONV./FOCUS PWB). The pattern displayed is now the digital convergence mode.
(6) When performing a complete digital convergence adjustment CLEAR DATA in RAM. (With the TV set off, press and hold the service switch located on the CONV./FOCUS P.W.B. and then press the POWER button).



Adjustment Point

BACK TO ADJUSTMENTS

### 2.12.1 MAGIC FOCUS Character Set-Up

This instruction should be applied when a new DCU is being replaced.

Adjustment Preparation

(1) Receive NTSC RF or video signal.

(2) With Power off, PRESS and HOLD the SERVICE ONLY button on CONVER/FOCUS PWB, then press the Power On/Off, when picture appears release SERVICE ONLY switch. (Internal crosshatch is displayed without conv. correction data.)

Adjustment Procedure

(1) Press FREEZE key on R/C. (One additional line appears near the top and near the bottom.)

(2) Press PIPCH key, then ADJ. PARAMETER mode is displayed as following.

```
ADJ. PARAMETER
   ROM WRITE?
→ ADJ. DISP.  :  77

SEL. STAT.   : 00
DEMO.WAIT :  2f
```

(3) Press ◀ or ▶ key to change the ADJ. DISP. data.

(4) Press CURSOR ▼ to access DCU parameter. Change the data as shown on Table 1, DCU Parameter.

**TABLE 1. - DCU PARAMETER**

| Parameter | Normal |
|---|---|
| ADJ. DISP | 77 |
| SEL. STAT | 00 |
| DEMO WAIT | 2F |
| INT STEP 1 | 02 |
| INT A DLY | 0A |
| INT C DLY | FA |
| INT BAR | 1C |
| MGF STEP 1 | 00 |
| MGF A DLY | 0A |
| MGF C DLY | FA |
| MGF BAR | 0E |
| SENSOR CK | 00 |
| SENSOR 0 | FF |
| SENSOR 1 | 00 |
| SENSOR 2 | FF |
| SENSOR 3 | 01 |
| SENSOR 4 | FF |
| SENSOR 5 | 06 |
| SENSOR 6 | FF |
| SENSOR 7 | 07 |
| AD LEVEL | 03 |
| E. DISPLAY | 00 |
| ADJ. TIMS | 60 |
| AD LEVEL | 05 |
| AD NOISE | 80 |
| PHASE MOT | 60 |
| H. BLK-RV | 03 |
| H. BLK-GV | 01 |
| H. BLK-BV | 03 |
| H. BLK-H | 00 |
| PON DELAY | 0C |
| IR-CODE | 00 |
| INITIAL 50 | 9E |
| MGF 50 | 96 |
| 9 POINT 50 | FE |
| STAT 50 | FE |
| DYNA 50 | 9F |

BACK TO ADJUSTMENTS

(5) Press PIP MODE key 2 times to write the changed data into EEPROM. (First press, ADJ. PARAMETER / ROM WRITE ? is displayed. 2nd press writes data into EEPROM. Green dots appear after completion of operation.)
(6) Press MUTE key to exit from ADJ. PARAMETER mode.

### 2.12.2 MAGIC FOCUS Pattern Set-Up

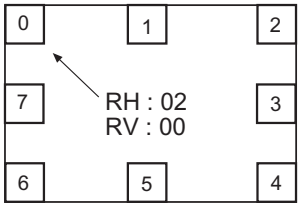
**NOTE:** (1) This instruction should be applied when a new DCU is being replaced.
(2) This instruction shows how to set up the pattern position for MAGIC FOCUS.

Adjustment Procedure

(1) Receive NTSC RF or video signal.
(2) With Power off, PRESS and HOLD the SERVICE ONLY button on CONVER/FOCUS PWB, then press the Power On/Off, when picture appears release SERVICE ONLY button. (Internal crosshatch is displayed without conv. correction data.)

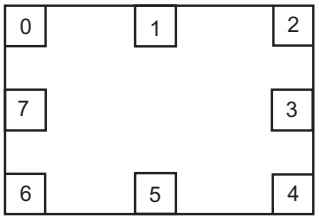
Adjustment Procedure

(1) Press FREEZE key on R/C. (One addtional line appears near the top and near the bottom.)
(2) Press HELP key, then MAGIC FOCUS PATTERN mode is displayed as follows:




(3) Use [6] key on remote control to rotate the arrow. Arrow indicates each sensor position. (Upper left corner, middle top, upper right corner, right middle, in this order).
(4) Use the keys to switch color of pattern.
STATUS : Green pattern
0 : Red pattern
ANT : Blue pattern
(5) Press ◀ or ▶ key to change the data value to the horizontal direction. Press ▲ or ▼ key to change the data value to the vertical direction.
(6) Set the data as shown below:

Pattern Position




Normal Mode: 43UWX10B Model Only

| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|---|
| RH | 02 | 02 | FA | FE | FC | 02 | 04 | 02 |
| RV | 00 | 00 | 03 | 00 | FE | 01 | 01 | 00 |
| GH | 02 | 02 | FA | FE | FC | 00 | 04 | 02 |
| GV | 00 | 00 | 03 | 00 | FE | 01 | 01 | 00 |
| BH | 04 | FE | FC | FE | FA | FE | 04 | 02 |
| BV | 03 | 00 | 01 | 00 | 00 | 01 | FE | 00 |

Normal Mode: 53/61UWX10B Models Only

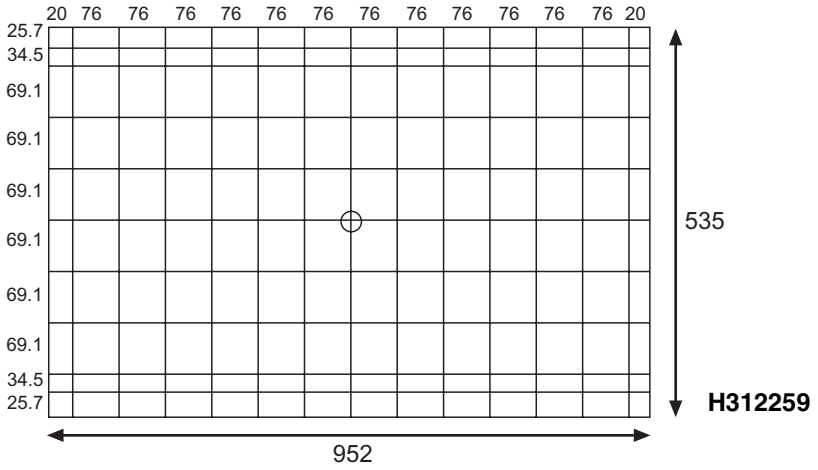
| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|---|
| RH | 02 | 02 | FA | FE | FC | 02 | 04 | 02 |
| RV | 00 | 00 | 03 | 00 | FE | 01 | 01 | 00 |
| GH | 04 | 00 | FE | FE | FE | 00 | 04 | 02 |
| GV | 02 | 00 | 03 | 00 | 00 | 01 | 00 | 00 |
| BH | 04 | FE | FC | FE | FA | FE | 04 | 02 |
| BV | 03 | 00 | 01 | 00 | 00 | 01 | FE | 00 |

(7) Press PIP MODE key 2 times to write the changed data in EEPROM. (First press, ADJ. PATTERN/ROM WRITE ? 2nd press, writes data into EEPROM. Green dots appear after completion of operation.)
(8) Press MUTE key to exit from PATTERN mode.

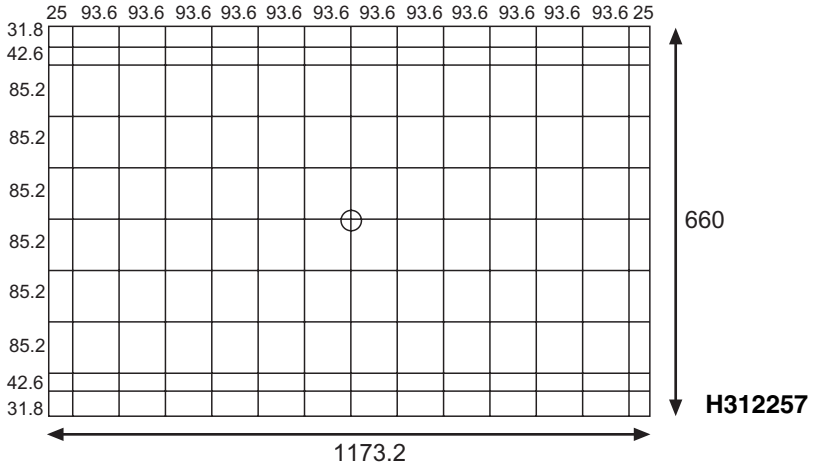
BACK TO ADJUSTMENTS

### 2.12.3 Convergence Jig Screen Specifications

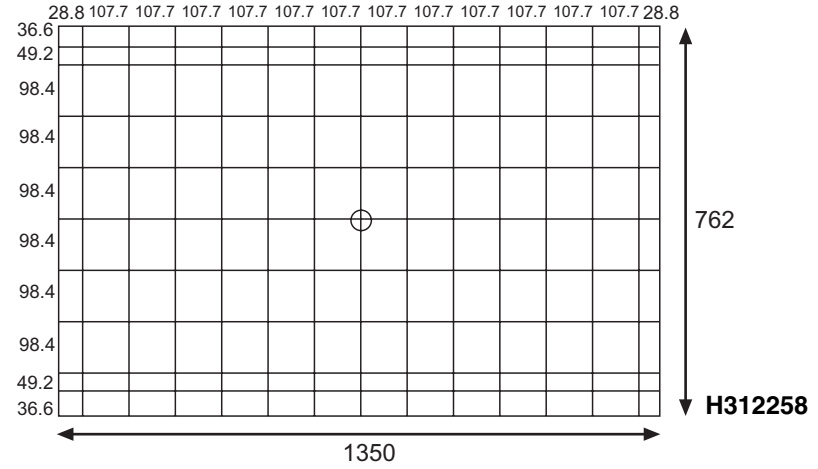
**43UWX10B**




**53UWX10B/53SWX10B**




**61UWX10B/61SWX10B**




BACK TO ADJUSTMENTS

**Note:** If only minor adjustments to convergence are needed, the jig screen is not necessary. Use digital data stored in memory and one color as a reference (red, green, or blue). DO NOT CLEAR DATA and WRITE to ROM memory.

### 2.12.4 Raster position adjustment

Adjustment preparation

(1) Position adjustment - This will move an entire color. Use this adjustment to match colors at the center of the screen. (Active video center from external signal and physical screen center should now match from phase adjustment).
(2) Use the buttons below to switch color to adjust.
"STATUS" - Green
"0" - Red
"ANT" - Blue

Adjustment procedure

(1) Press the FREEZE button. Extra horizontal lines appear to confirm raster position mode.
(2) Use the thumb stick to adjust position.
(3) Press FREEZE again to exit raster position mode.

**Notes:** (1) Other functions cannot be accessed when in raster position adjustment mode. Press FREEZE and confirm extra horizontal lines disappear to exit raster position mode.
(2) Press MENU to switch between all colors displayed or adjustment color and Green only.

### 2.12.5 Convergence point adjustment

Adjustment preparation

(1) Select color to adjust.
"STATUS" - Green
"0" - Red
"ANT" - Blue
(2) Use 4, 6, 2, and 5 to move the cursor position (dotted lines).
(3) Use thumb stick to move the convergence point.
(4) Three adjustment modes are available:
1. (3x3) Press "STATUS" 5 times (only works when DCU is in uncorrected state)
2. (7x5) Press "0" 5 times
3. (13x9) Press "ANT" 5 times

For touch-up, only the (13x9) mode is necessary. This will adjust every cross-hatch intersection point on the screen.

For complete adjustment, start with (3x3) mode. This will adjust center point and eight edge points only, but will greatly reduce adjustment time. Then use (7x5) mode, and finally (13x9) mode to finish convergence.

**If "S" distortion appears between cross-hatch lines repeat (7x5) mode to change calculation process while adjusting to remove distortion, then return to (13x9) mode to finish touch-up convergence.**

Adjustment procedure

(1) Receive any NTSC signal.
(2) Start adjustment at the center of the screen.
(3) Continue adjustment at next closest position.
(4) Adjust center area first, ending with edge sections.
(5) Press INFO button to perform calculation operation. This process will take about 2 seconds and no picture will be seen at this time.
(6) After interpolation, check convergence again and repeat (1)-(5) if necessary.
(7) When convergence is acceptable, press PIP MODE to write data to ROM memory. ROM WRITE? is displayed to alarm system that ROM will be overwritten with new data. Press the PIP MODE button again to write displayed data to ROM.
(8) DATA WRITE TO ROM will take approximately 4 seconds and no picture will be displayed.
(9) Green dots will be displayed when operation is completed.
(10) Press MUTE to return to convergence pattern, then confirm again convergence is acceptable.
(11) Press PIP MODE (ROM WRITE) mode, then press PIP CH to initialize sensor data positions.

**Notes:** (1) Display only green for easier adjustment and match to jig screen. Press "MENU", THEN PRESS "STATUS".
(2) Perform interpolation and data write to ROM after green adjustment. Once green has been confirmed to match jig screen, the jig screen can be removed. Do not readjust the green color after jig screen has been removed. This is now your reference color.
(3) Display green and red only and match red to green.
(4) Display all colors and match blue to green and red. Touch-up red color if necessary.
(5) Existing DATA in ROM can be read by pressing the SWAP button 2 times. This data can be used after replacing a component (CRT, DY, etc.) Where complete convergence adjustment is not necessary, be careful not to overwrite this data. DO NOT write cleared RAM data into ROM or a complete convergence adjustment will be necessary. Remember to try MAGIC FOCUS before starting convergence adjustment to minimize adjustment time.
(6) To confirm and fine tune the convergence at the edge of the screen, press the PIP CH button on the remote control while in the digital convergence adjustment mode (DCAM) for additional lines at the edge of the screen. Fine tune the edge convergence as necessary. To exit, press PIP CH again.

BACK TO ADJUSTMENTS

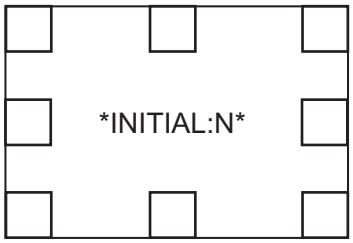
### 2.13.6 Magic Focus Initialize

Adjustment Preparation

(1) Receive any NTSC signal. (Set is in Normal mode.)
(2) Digital convergence adjustment should have been completed.
(3) Set is in DCU adjustment mode.

Adjustment Procedure

(1) Press PIP MODE and then PIP CH to initialize Magic Focus. The initialize operation starts and several windows appear during this operation. It takes about 30 seconds or less.
(2) When green dots appear, initialize operation is finished.
(3) Turn power OFF.




**Initialization Operation**

REMARKS

Another way to start the initialize operation:

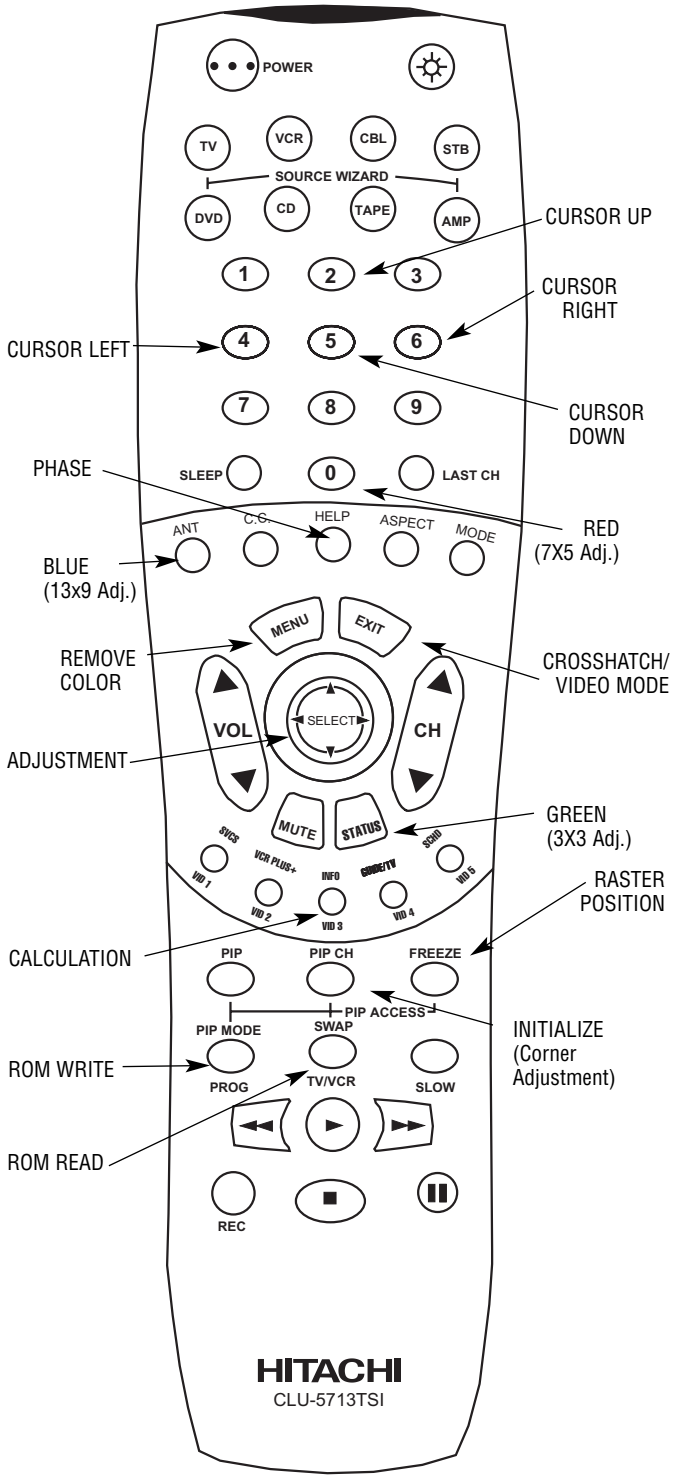
(1) Press SERVICE ONLY Sw. on CONVER/FOCUS PWB to set DCU adj. mode.
(2) Press [PIP MODE] key on R/C. Then ROM WRITE? is displayed for alarm. Next, press [PIP CH] key on R/C to start initialization. When green dots appear, initalization operation is finished.

NOTE: If there is an error message, red dots or an error code, refer to page 57, CONVERGENCE ERRORS.

*[PIP MODE]* key is same function as current [MOVE] key.

BACK TO ADJUSTMENTS

### 2.13.1 Digital Convergence Remote Control



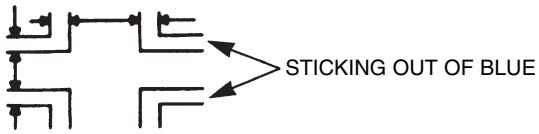
## 2.13 Blue defocus adjustment

Adjustment Preparation

(1) Optical and electrical focus adjustment should have been completed.
(2) The convergence adjustment should have been completed.
(3) Set Video conditions to factory preset.
(4) Input the cross-hatch signal.

Adjustment procedure

(1) Turn the B Focus VR (Focus Pack) fully clockwise.
(2) Adjust sticking out level of blue to specification shown in table below, by turning the (B) FOCUS VR counter clockwise.




UNEVENNESS SPECIFICATION: ±1cd/$m^2$

Defocus sticking out specification

| Screen Size | Blue sticking out |
|---|---|
| 43” | 1.0mm |
| 53” | 1.0mm |
| 61” | 1.0mm |

**Condition:** User controls are set to the initial set positions (for shipment)

Measuring point-Screen center.

## 2.14 White balance adjustment

(1) Screen adjustment
(2) High light white balance.
(3) Low light white balance.

$I^2C$ data for High light white balance

Green : G DRV (COOL) 3F (initial data)(Adjustable)
Red : R DRV (COOL) 3F (initial data)(Adjustable)
Blue : on FOCUS PACK EFPK

$I^2C$ data for Low light white balance

Green : G CUT OFF (COOL) 80 (initial) (Adj. data)
Red : R CUT OFF (COOL) 80 (initial) (Adj. data)
Blue : B CUT OFF (COOL) 80 (initial) (Fixed data)

Adjustment Preparation

(1) Adjustment should start 20 min. or more after the TV power is turned ON.
(2) CUT OFF ADJ. should be finished.
(3) VIDEO control : Contrast is MAX., Others are center.
(4) Color temp. : COOL
(5) Signal:
   * Hight Light white Balance Adj.
     White raster 0.715Vpp (w/o sync., termination incidence : 75ohm.) 100IRE
   * Low Light white balance ADJ.
     White raster 0.180Vpp (w/o sync., termination incidence : 75ohm.) 25 IRE (The brightness equal to 20cd/$m^2$ at screen center)
(6) BLUE defocus ADJ. should be finished.
(7) The vertical incident illumination on the screen should be 20 Lux. or less.
(8) Go into $I^2C$ service mode.

Adjustment Procedure

A. High Light W/B adjustment

(1) Receive signal for High Light white balance ADJ.
(2) Adjust white balance to 10800K–0 MPCD (x=0.278; y=0.280) at center of screen, using R DRV/ G DRV with remote control.

B. Low Light W/B adjustment

(1) Receive signal for Low Light white balance ADJ.
(2) Adjust white balance to 10800K–0 MPCE (x =0.278, y=0.280) at center of screen, using R CUT OFF/G CUT OFF/B CUT OFF with remote control. Do not touch screen VRs.
(3) Take Blue color as a reference color, then adjust Low Light W/B by increasing other two colors CUT OFF data. Do not change B CUT OFF data.

Repeat A & B two or three times, until no adjustment is needed (white balance tracking-GOOD). If W/B tracking is not good, set all data (BothDRV and CUT OFF) to inital data, and change reference color to different color.

Note: If Low Light adj. spec cannot be followed, apply previous adj. spec. (adjust by eye.)

BACK TO ADJUSTMENTS

Adjustment preparation

(1) Start adjustment after the power is turned on for 20 minutes or more.
(2) The vertical incident illumination on the screen should be 20 lux or less. (Room should be dark).
(3) Set the video settings (CONTRAST: max, others: center) to standard condition.
(4) The blue defocus and cut off adjustments should be completed.
(5) For low light white balance adjustment, input a white raster signal level of 0.286 Vp-p (Video input level).
(6) For high light white balance adjustment, input a white raster signal level of 0.715Vp-p (Video input level).
(7) Confirm R and G Drive (cool) data is 3F.
(8) Set Video Advanced Settings-Color Temperature to COOL.

Adjustment procedure

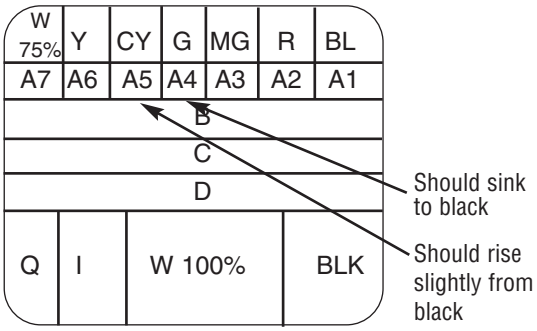
(1) Select the input signal for high brightness (Video level = 0.715Vpp).
(2) Adjust the high brightness white balance by changing I²C menu (R and G DRV cool mode only).
(3) Select the signal for low brightness (Video level = 0.286Vpp)
(4) Adjust the low brightness white balance.
(5) Check that high brightness white balance is still obtained. If it is not, return to step (2).

| | |
|---|---|
| White balance = | 10800° K ± 0 MPCD |
| Color coordinate = | x …… 0.278 |
| | y …… 0.280 |
| Normal: | 7200˚K |
| Warm: | 6500˚K |

### 2.15 Sub brightness adjustment

Adjustment preparation

(1) Start adjustment after the power is turned ON for 20 minutes or more.
(2) Receive the color bar signal.
(3) Set video conditions to factory preset.
(4) The vertical incident illumination on the screen should be 20 lux or less. (Room should be dark).




Adjustment procedure

(1) Go to “Sub Brightness” adjustment in I²C ADJUST mode (press Input and Power button on Control panel at same time), using thumb stick ▲, ▼ and then thumb stick ▶.
(2) Then adjust “Sub Brightness” using thumb stick ◀, ▶ to increase or decrease the value, according to figure. (Visually adjust).
(3) After adjustment, press MENU button to exit I²C ADJUST mode. (Data is stored in memory).

**Note:** When selecting SUB-BRIGHTNESS mode the microprocessor sets the CONTRAST and COLOR to MIN. automatically, but make sure that the other conditions are center.
Directly observe the screen by eye without using a mirror.

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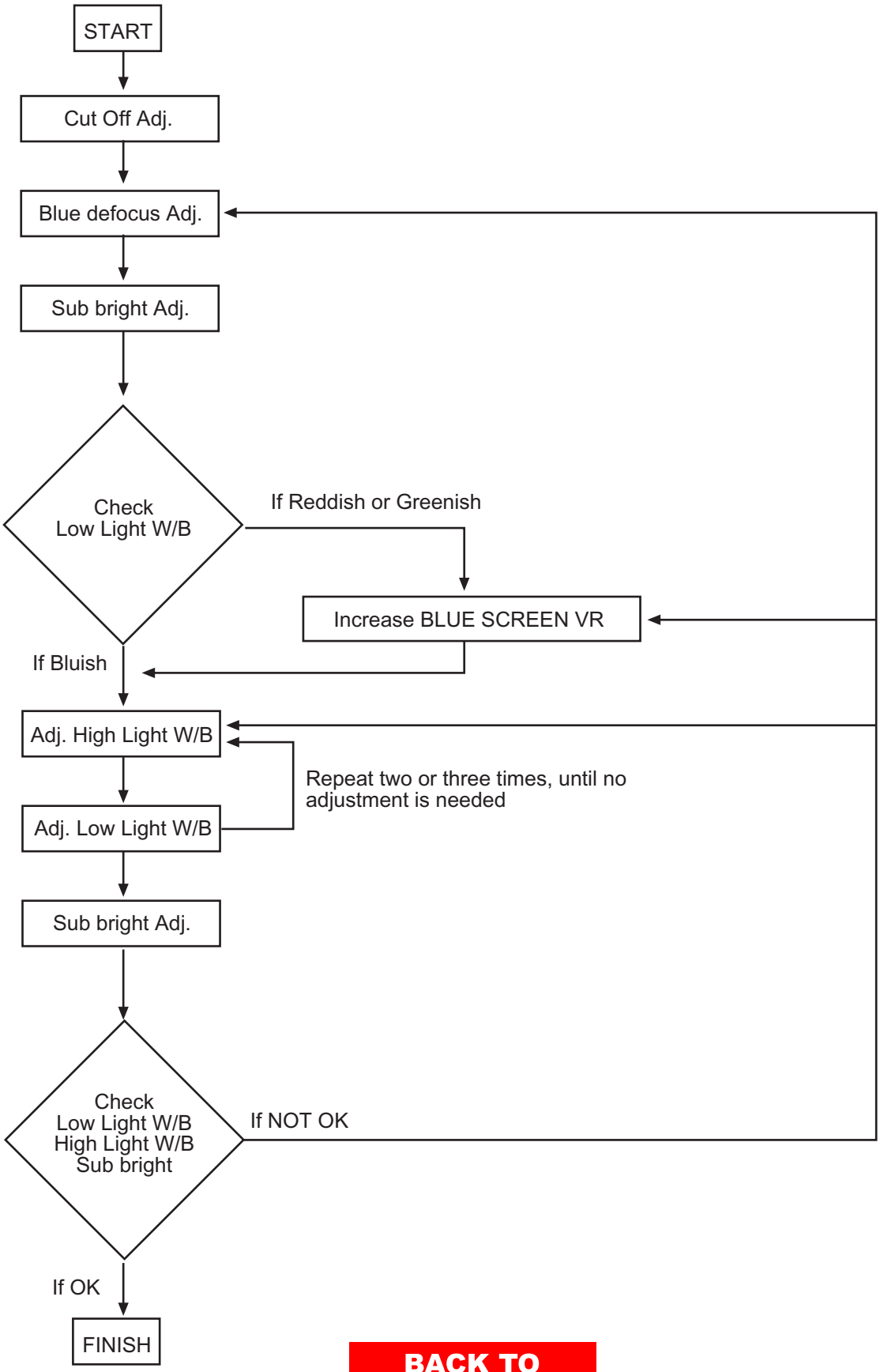
## WHITE BALANCE ADJUSTMENT FLOW CHART




BACK TO ADJUSTMENTS

## 2.16 Sub Picture Signal Amplitude Adjustment

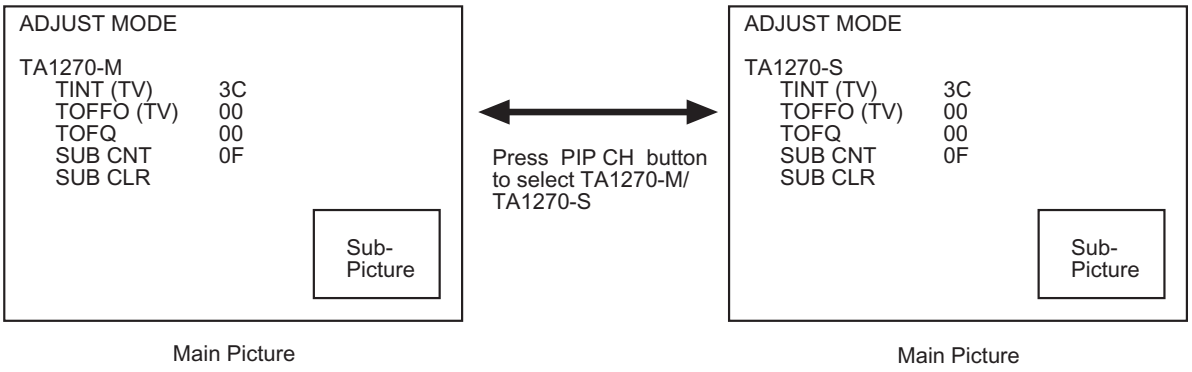
Adjustment preparation

(1) Sub-brightness adjustment should be finished.
(2) Start adjustment about 20 minutes after the power switch is turned on.
(3) Condition should be as follows:
Contrast : Max
Brightness : Center
(4) Press PIP button of R/C unit.
(5) The previous selected PinP will appear on the screen.
(6) Select SPLIT mode and receive NTSC white signal (amplitude 2.0Vp-p=Open), main-picture and sub-picture (Do not use component signal).
(7) Connect probe on the P852 (CPT PWB- Green) to check sub-picture amplitude.

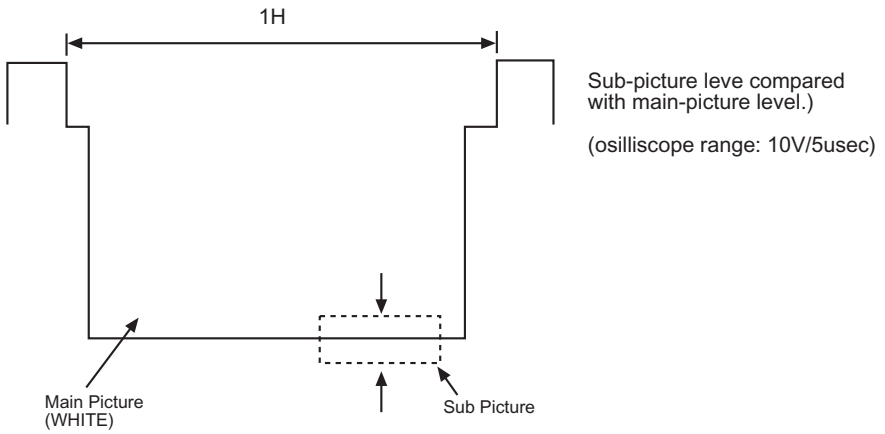
BACK TO ADJUSTMENTS

Adjustment procedure

(1) Display PIP SPLIT picture.
(2) Go Into I²C service mode and press MENU button until TA1270-M is displayed on screen.
(3) Press "PIP CH" button of R/C, "TA1270-M" change to "TA1270-S".
(4) Observe P852 on the CPT PWB and change the "TA1270-S SUB CNT" I²C data so that the amplitude of the sub-picture is the same level as that of the main picture.




*Wave form of P852 (green Cathode)




Adjustment specification: ±1V
Quality control specification: ±3V

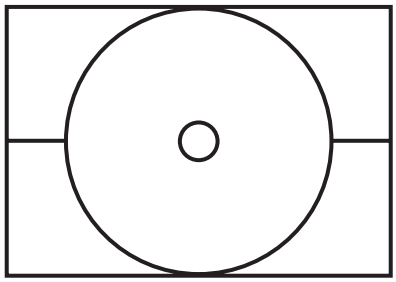
## 2.17 Horizontal position adjustment

Adjustment preparation

(1) Set video conditions to factory preset.
(2) DIGITAL CONVERGENCE adjustment should be finished. (Normal mode and 1080i through mode).

Adjustment procedure

(1) Receive circle pattern signal.
(2) Go to I²C Adjustment mode by pressing INPUT and POWER button on control panel at the same time.
(3) Choose H. POSI item by using thumb stick ▲,▼.
(4) Adjust HOR. POSITION as following by using thumb stick ◀,▶.

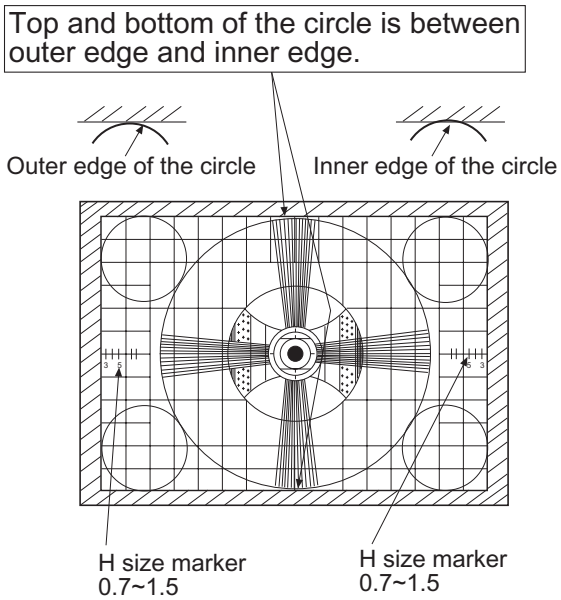


Spec: Balance Left/Right side display position for H. position. H. size marker 0.7~1.5.

## 2.18 Scanning area check

Checking condition

(1) Digital convergence adjustment should have been completed.
(2) Receive the circle pattern signal.
(3) Brightness/Contrast - standard condition
Contrast:max
Other controls:center position
(4) Check that the scanning area matches with the following drawing.


Top and bottom of the circle is between outer edge and inner edge.
Outer edge of the circle
Inner edge of the circle
H size marker
0.7~1.5
H size marker
0.7~1.5

BACK TO ADJUSTMENTS

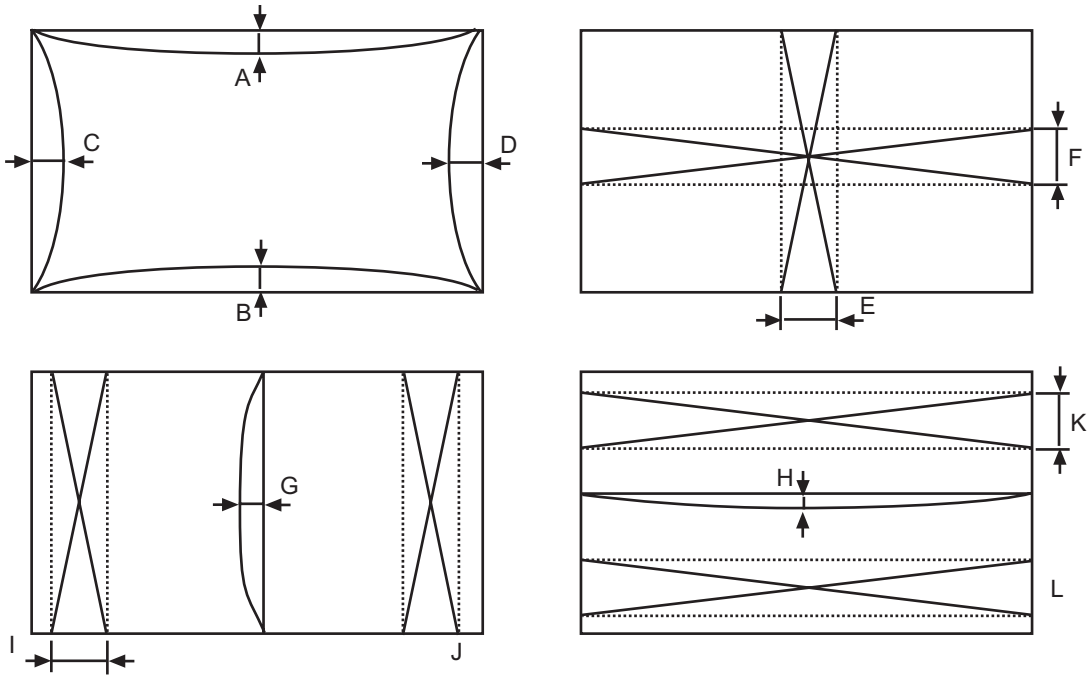
## 2.19 Raster distortion check

Checking condition

(1) Digital convergence adjustment should have been completed.
(2) Receive the cross-hatch signal (internal signal of the the set is acceptable).
(3) Brightness/Contrast --- standard condition
Contrast : max
Other controls : center position
(4) Check the raster distortion specification: Value shown in the table below or less.
A ~ D
I ~ L ---Measure the winding of the outside line.

(unit: mm)

| Item | | Symbol | 43” | 53” | 61” |
|---|---|---|---|---|---|
| Top/Bottom pincushion distortion | | A,B | ±5 | ±6 | ±6 |
| Right/Left pincushion distortion | | C,D | ±4 | ±4 | ±5 |
| Center line tilt | Vertical line | 5 | 5 | 6 | 6 |
| | Horizontal line | 5 | 5 | 6 | 6 |
| Center line winding | Vertical line | ±3 | ±3 | ±3 | ±4 |
| | Horizontal line | ±3 | ±3 | ±3 | ±4 |
| Trapezoidal distortion | Vertical line | 4 | 4 | 5 | 5 |
| Skew distortion | Horizontal line | 5 | 5 | 6 | 6 |

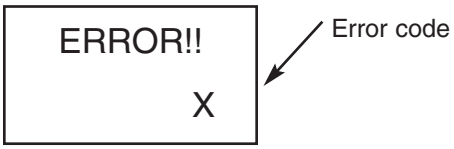


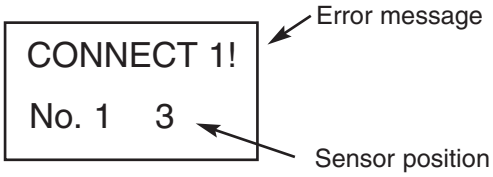

BACK TO ADJUSTMENTS

5. Convergence Errors.

If an error message or code appears while performing MAGIC FOCUS or initialize (PIP MODE, PIP CH in DCU service mode) follow this confirmation and repair method.

1. Turn on power and receive any signal.
2. Press service switch on Power/Deflection board.
3. Press “SWAP” then “PIP CH” on remote control.
4. Error code will be displayed in bottom right corner of screen. If there is no error, an “INITIAL OK” message will appear on screen.



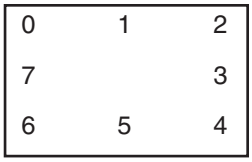

5. Follow repair table for errors.

## DCU REPAIR TABLE

| Error Code | Error Display Code | Countermeasure | Application | |
|---|---|---|---|---|
| | | | Initialize | Magic Focus |
| 1 | VF Error | Replace DCU | X | X |
| 2<br>*2 | Connect 1 | 1. Darken Outside Light<br>2. Placing of sensor<br>3. Is pattern hitting sensor<br>4. Check connection and solder bridge of sensor<br>5. Replace sensor<br>6. Replace sensor P.W.B.<br>7. Sensor Connector check<br>8. Replace DCU<br>9. Adjustment check (H/V size, centering) | X | — |
| 3*2 | A/D Level | Same as Error Code 2 | X | X |
| 4 | Over Flow | 1. Check the placement of sensor<br>2. Adjustment check (H/V size, centering)<br>3. Conv. amp. gain check *1 (check resistor values only) | X | X |
| 5 | Convergence | Same as Error Code 4 | X | X |
| 7 | Operation | Same as Error Code 4 | — | X |
| 9 | Connect 2 | Same as Error Code 2 | X | X |
| 10 | Noise | Input strong field signal<br>Check the wiring of connector between sensor and DCU | X | X |
| 11 | Sync | Input strong field signal<br>Check the wiring of connetor between sensor and DCU | X | X |

*1 -- RK 41, 46, 50, 54, 58, 62 check these resistors.

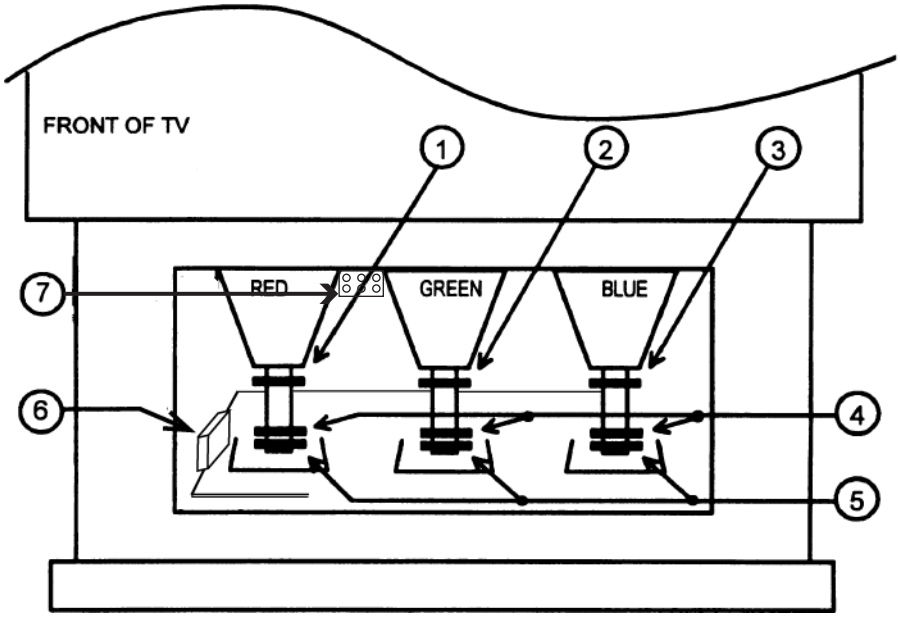
*2 Sensor Position




(View from front side)

BACK TO ADJUSTMENTS

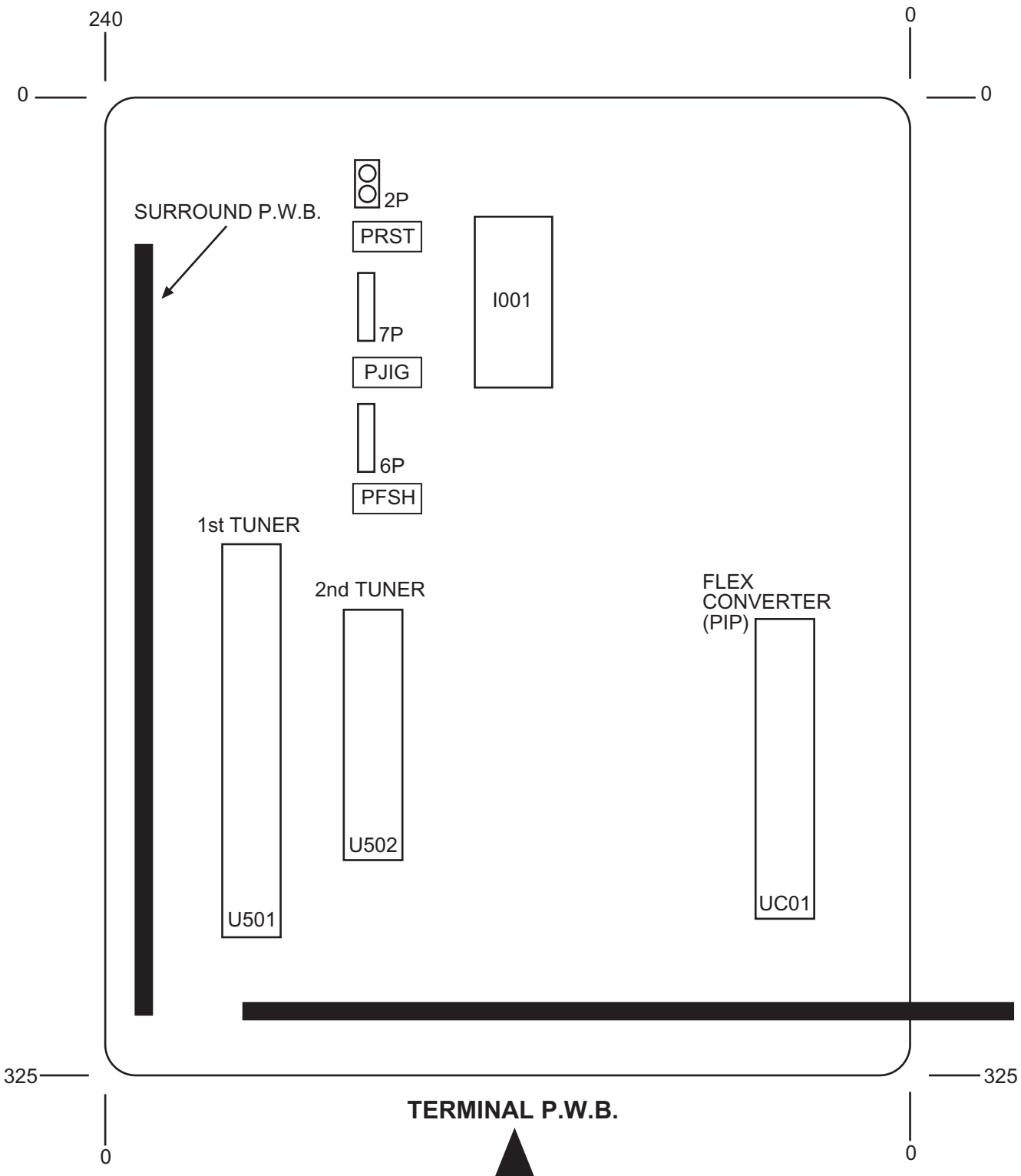
## 3. ADJUSTMENT POINT
### 3.1 CRT, cabinet locations




1. CENTERING MAGNET FOR RED PRT
2. CENTERING MAGNET FOR GREEN PRT
3. CENTERING MAGNET FOR BLUE PRT
4. 4-POLE MAGNET FOR BEAM FORM ADJUSTMENT
5. BEAM ALIGNMENT MAGNET
6. DIGITAL CONVERGENCE MODULE (On CONV/MAGIC FOCUS Board)
7. FOCUS PACK (Top Adjustments for Screen, Bottom for Focus)

BACK TO ADJUSTMENTS

### 3.2 MAIN CHASSIS (SIGNAL PWB)

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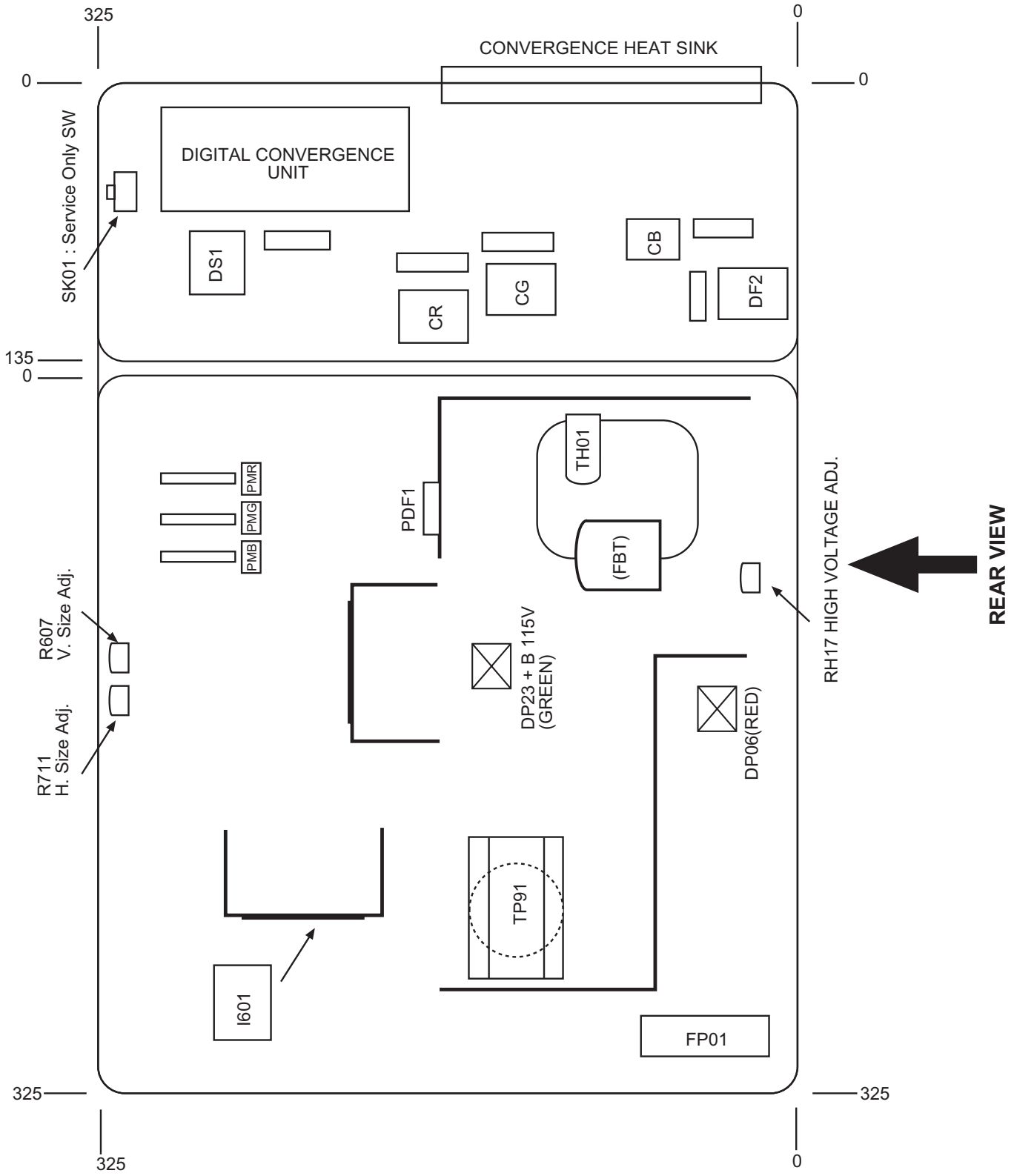
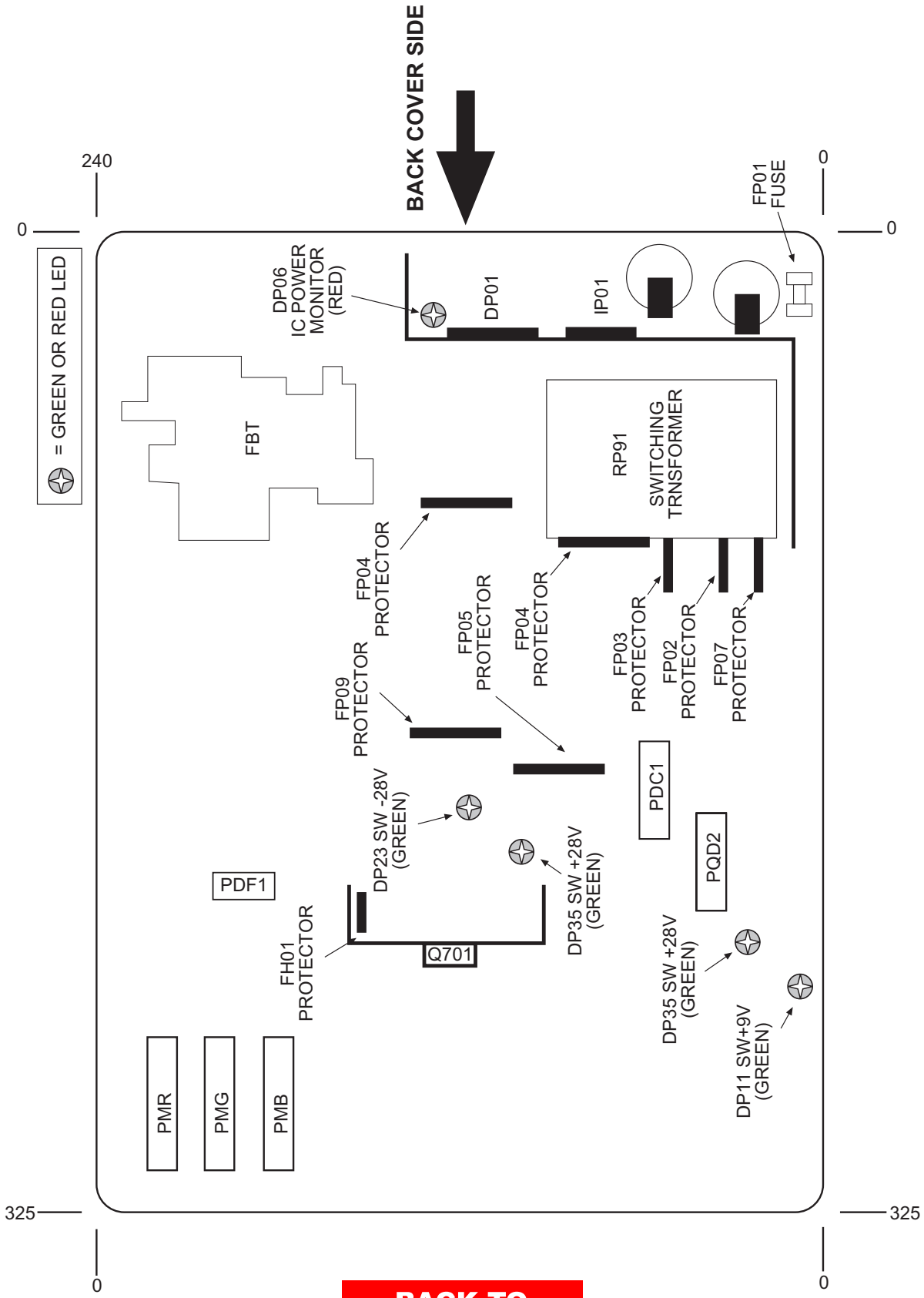
### 3.3 MAIN CHASSIS (DEFLECTION/CONVERGENCE PWB)



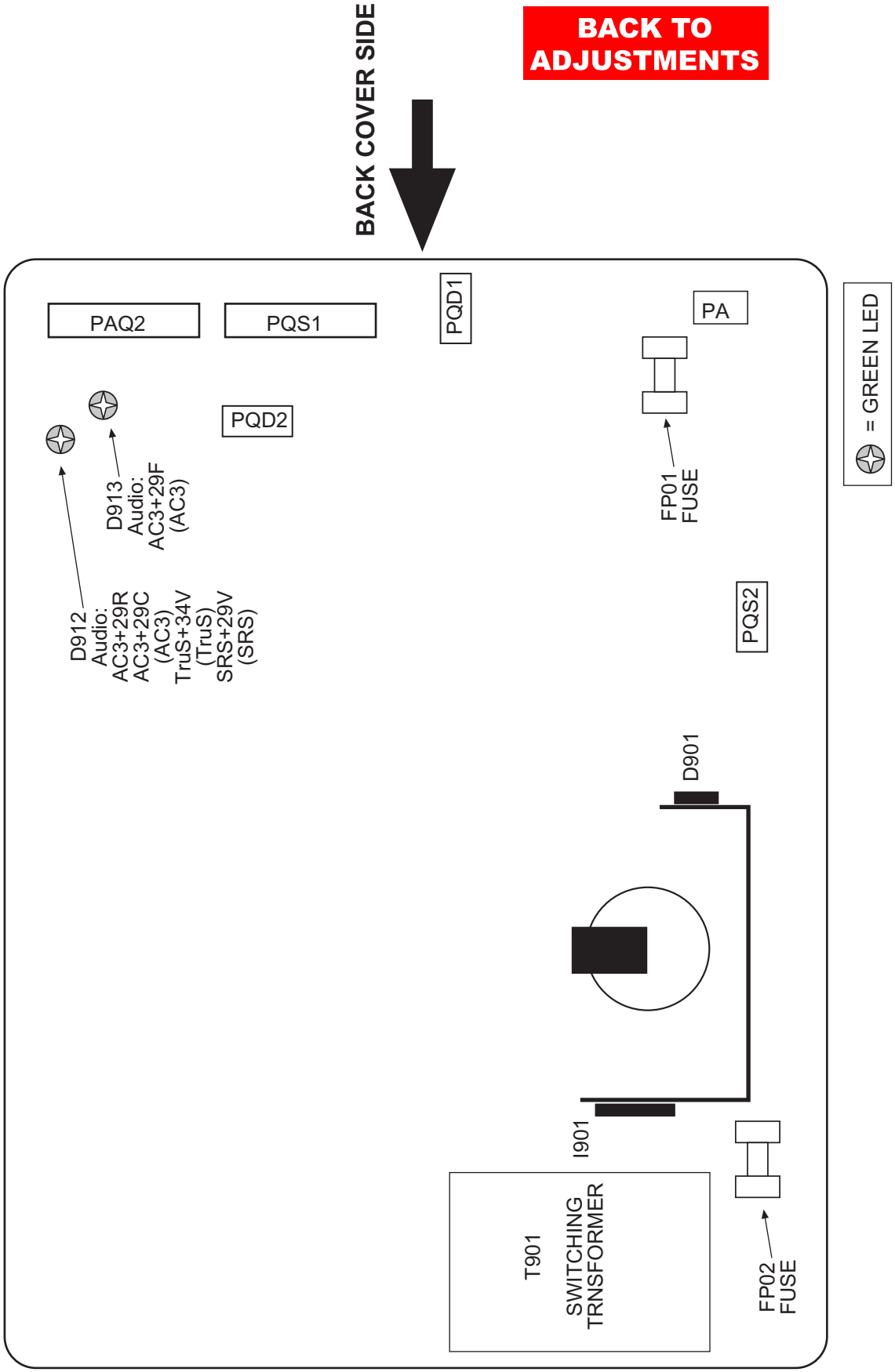

BACK TO ADJUSTMENTS

### 3.3 MAIN CHASSIS CONT. (DEFLECTION/POWER PWB)

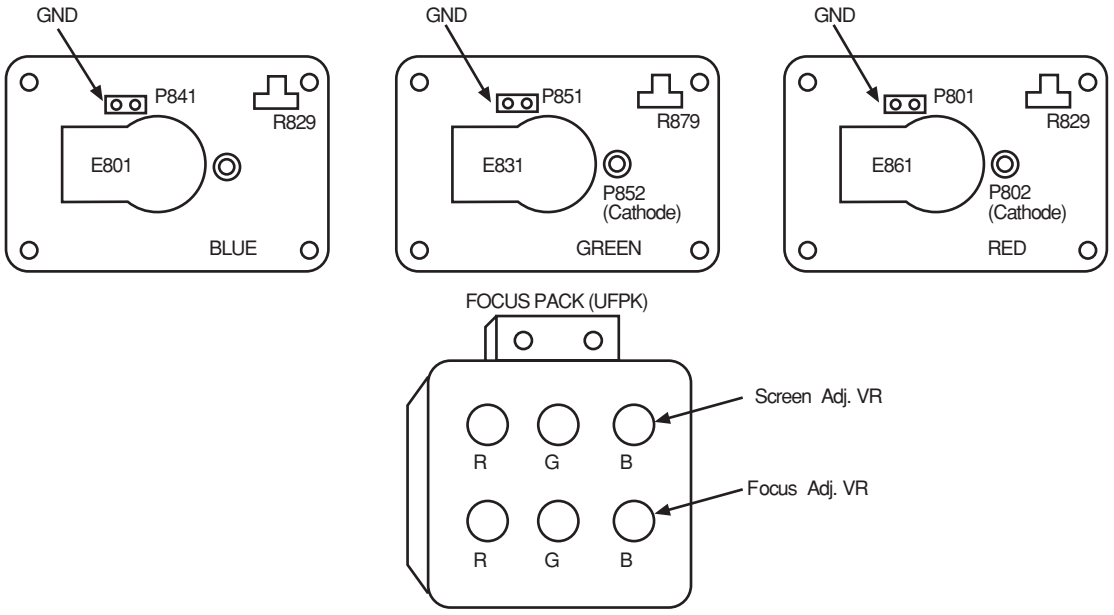


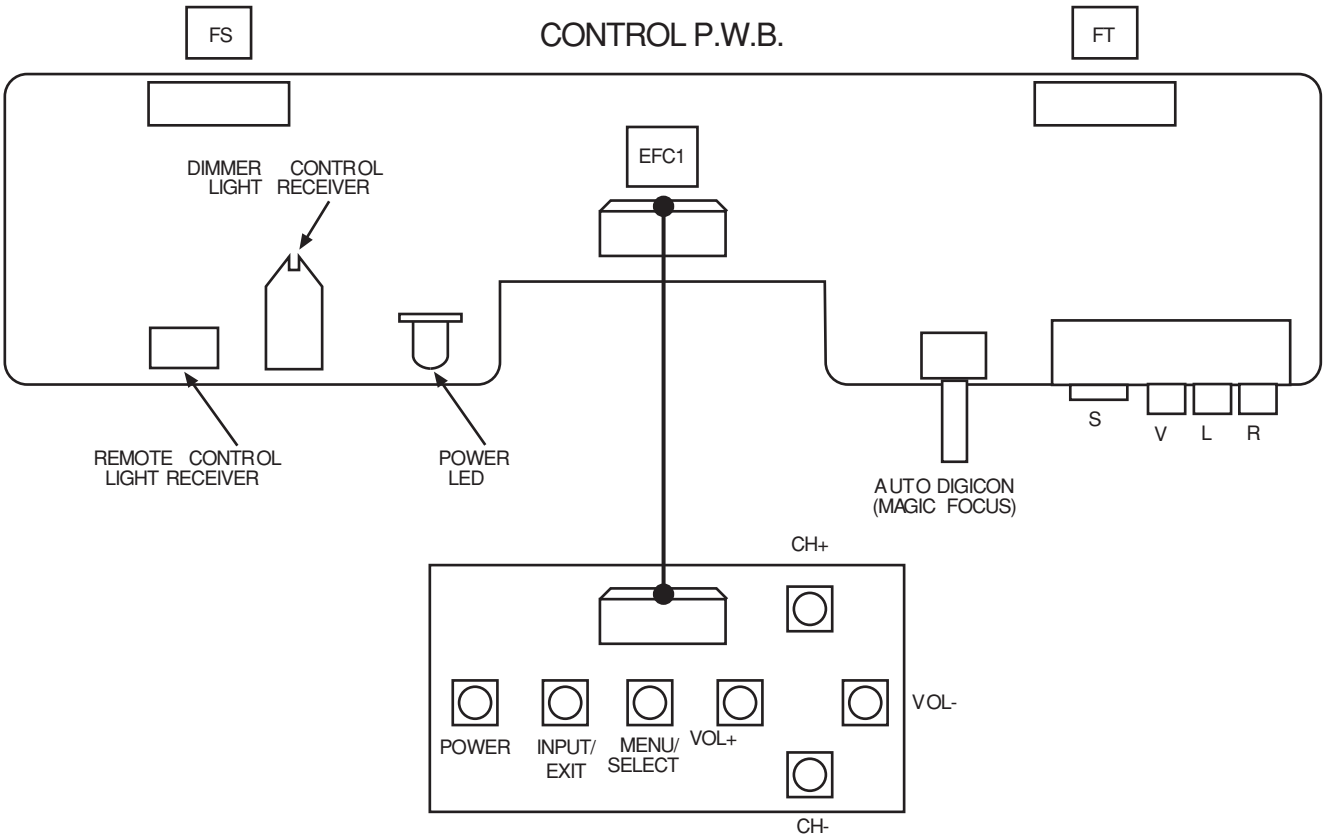

BACK TO ADJUSTMENTS

### 3.4 MAIN CHASSIS (POWER SUPPLY PWB)



### 3.5 CPT (R) (G) (B), Focus Pack, Control P.W.B.

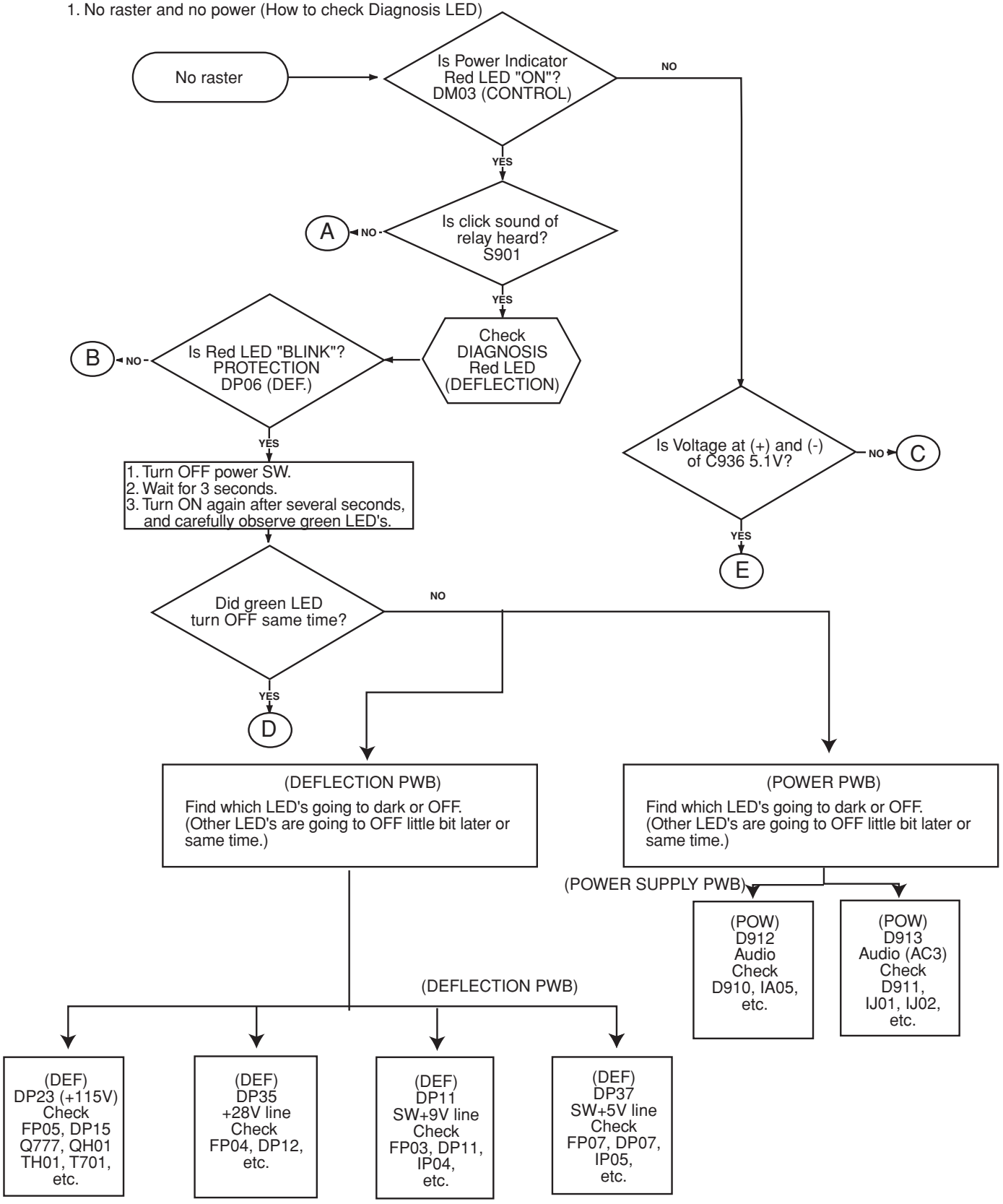


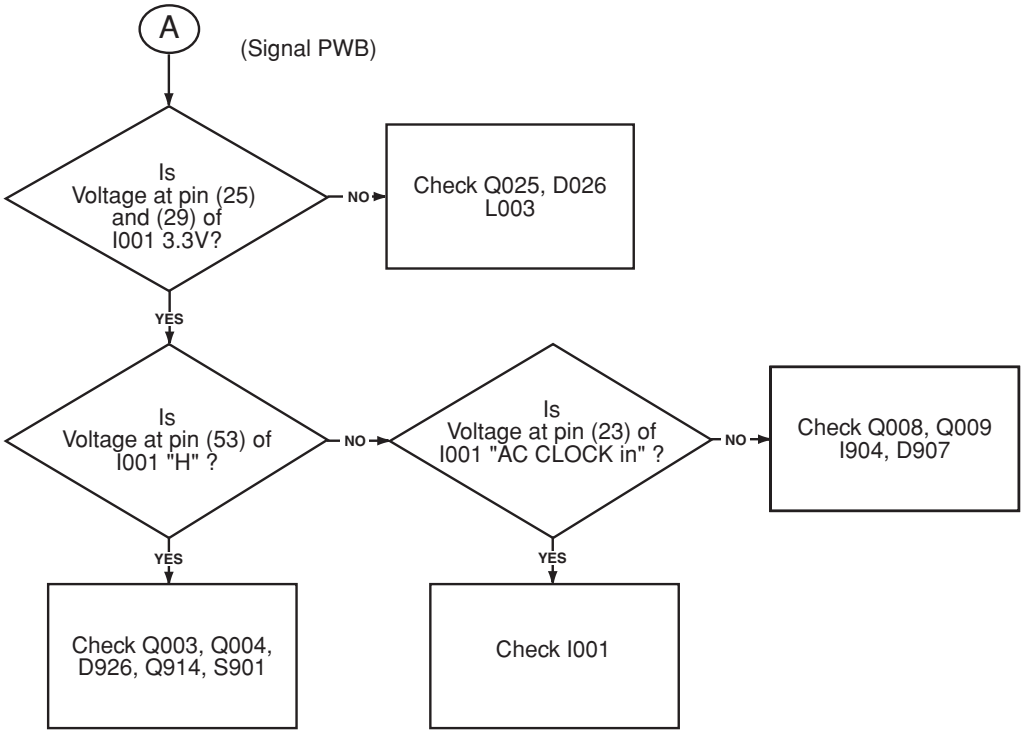

BACK TO ADJUSTMENTS

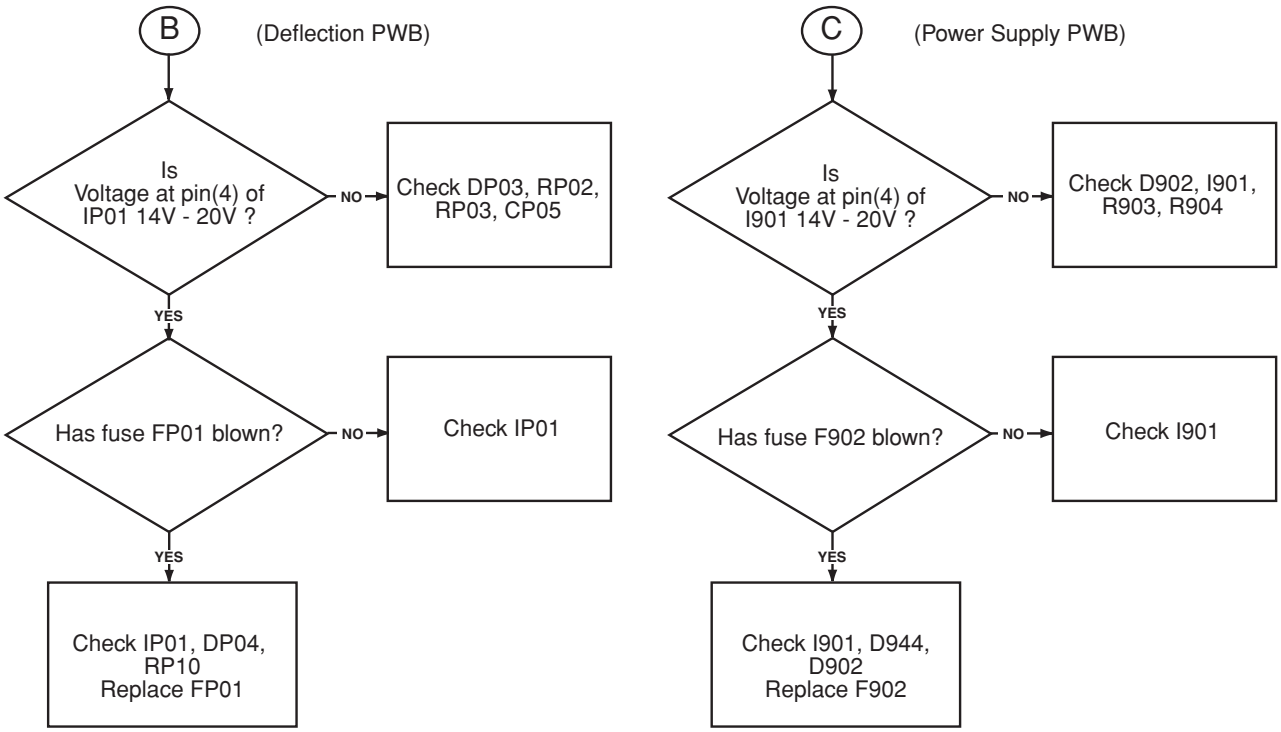
## TROUBLE SHOOTING FLOWCHART

1. No raster and no power (How to check Diagnosis LED)

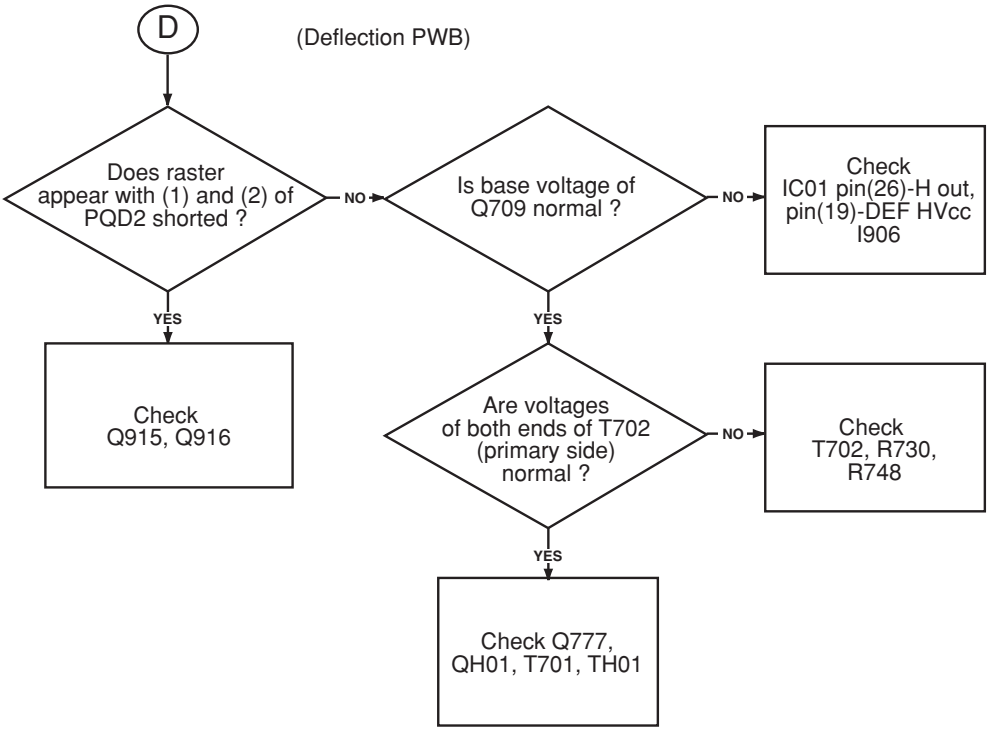

No raster
Is Power Indicator Red LED "ON"? DM03 (CONTROL)
NO
YES
A
NO
Is click sound of relay heard? S901
YES
Check DIAGNOSIS Red LED (DEFLECTION)
B
NO
Is Red LED "BLINK"? PROTECTION DP06 (DEF.)
YES
1. Turn OFF power SW.
2. Wait for 3 seconds.
3. Turn ON again after several seconds, and carefully observe green LED's.
Did green LED turn OFF same time?
NO
YES
D
Is Voltage at (+) and (-) of C936 5.1V?
NO
C
YES
E
(DEFLECTION PWB)
Find which LED's going to dark or OFF. (Other LED's are going to OFF little bit later or same time.)
(POWER PWB)
Find which LED's going to dark or OFF. (Other LED's are going to OFF little bit later or same time.)
(POWER SUPPLY PWB)
(POW) D912 Audio Check D910, IA05, etc.
(POW) D913 Audio (AC3) Check D911, IJ01, IJ02, etc.
(DEFLECTION PWB)
(DEF) DP23 (+115V) Check FP05, DP15 Q777, QH01 TH01, T701, etc.
(DEF) DP35 +28V line Check FP04, DP12, etc.
(DEF) DP11 SW+9V line Check FP03, DP11, IP04, etc.
(DEF) DP37 SW+5V line Check FP07, DP07, IP05, etc.

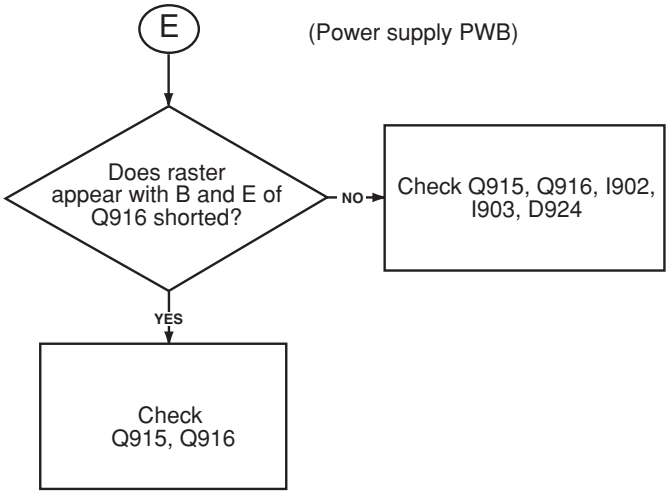
## TROUBLE SHOOTING FLOWCHART



## TROUBLE SHOOTING FLOWCHART



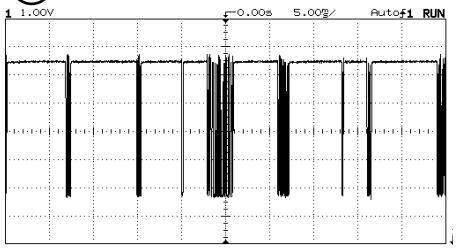



# WAVEFORMS AT EACH SECTION

Numbers inside circle correspond to locations shown in the circuit diagram.

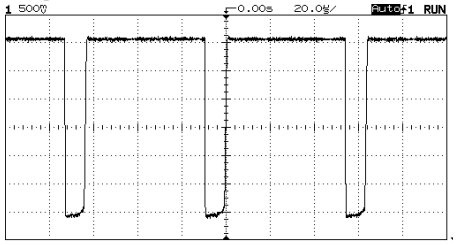
**DP14G** **DP17**

(1) I001 Pin 2



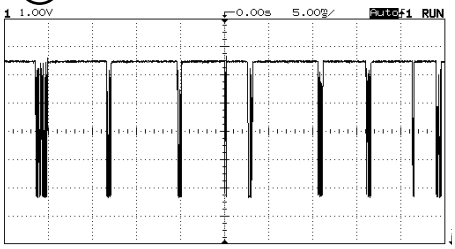
**DP14G** **DP17**

(2) I001 Pin 24



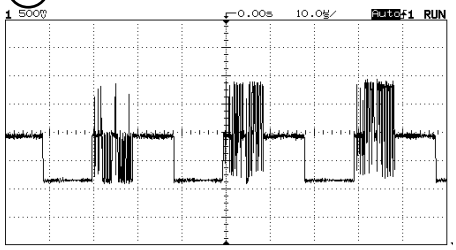
**DP14G** **DP17**

(3) I001 Pin 3



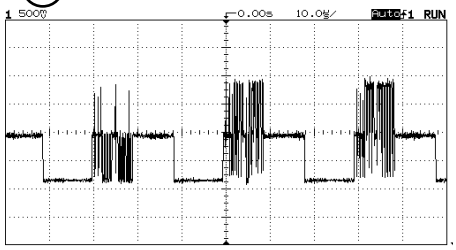
**DP14G** **DP17**

(4) I001 Pin 37



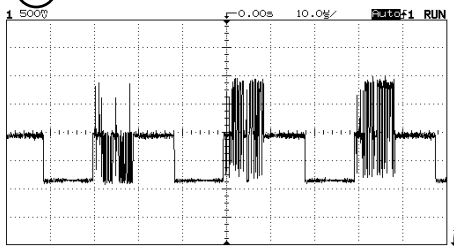
**DP14G** **DP17**

(5) I001 Pin 38



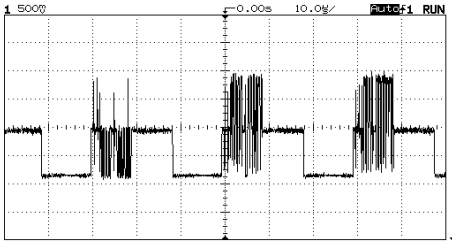
**DP14G** **DP17**

(6) I001 Pin 39



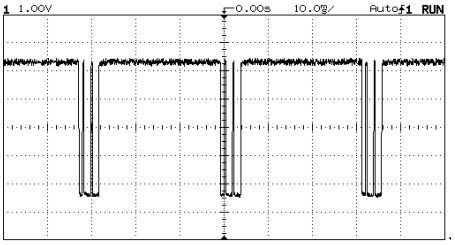
**DP14G** **DP17**

(7) I001 Pin 45



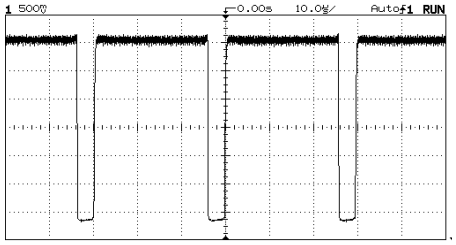
**DP14G** **DP17**

(8) I001 Pin 46



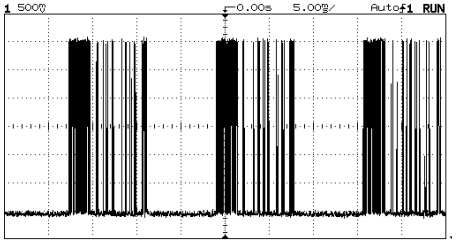
**DP14G** **DP17**

(9) I001 Pin 49



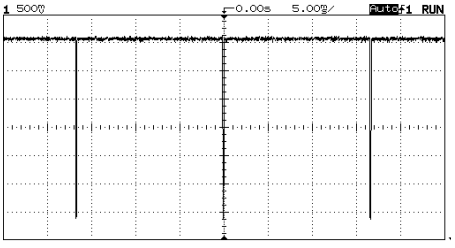
**DP14G** **DP17**

(10) I001 Pin 51



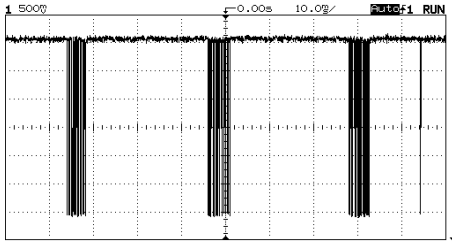
**DP14G** **DP17**

(11) I001 Pin 55



**DP14G** **DP17**

(12) I001 Pin 58

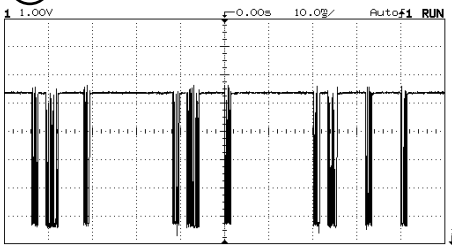


# WAVEFORMS AT EACH SECTION

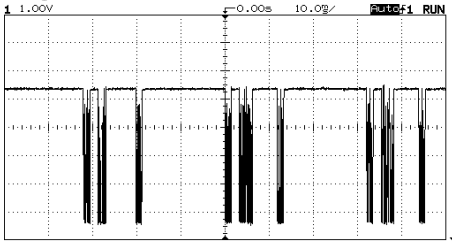
Numbers inside circle correspond to locations shown in the circuit diagram.

**DP14G** **DP17** **DP14G** **DP17**

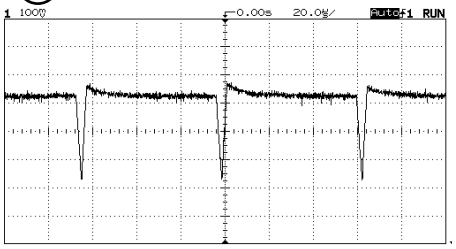
(13) I001 Pin 59



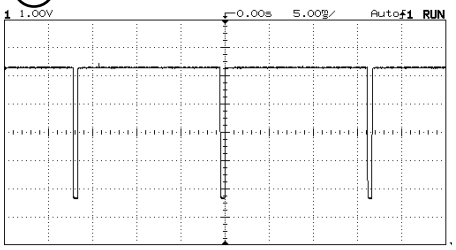
(14) I001 Pin 60



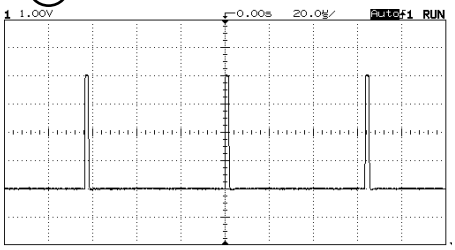
(15) I501 Pin 10



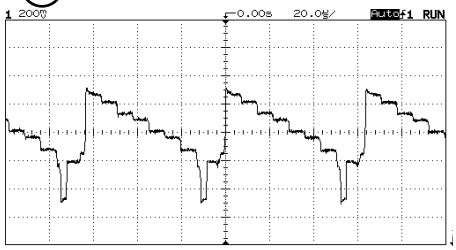
(16) I501 Pin 13



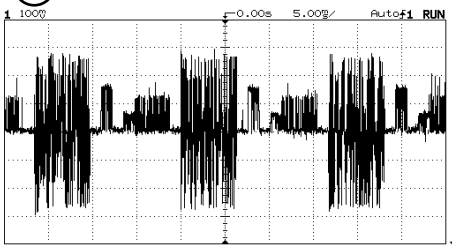
(17) I501 Pin 14



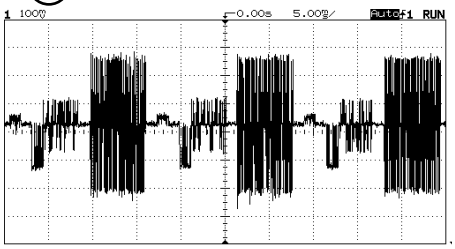
(18) I501 Pin 20



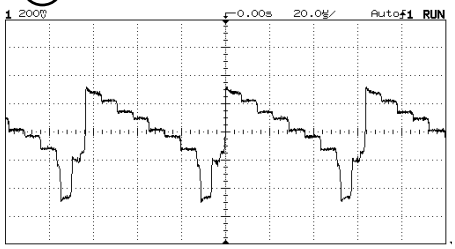
(19) I501 Pin 21



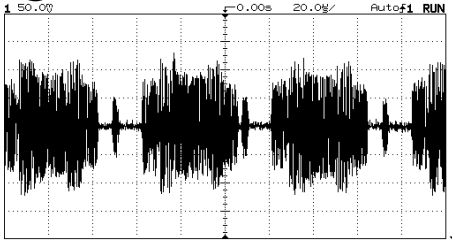
(20) I501 Pin 22



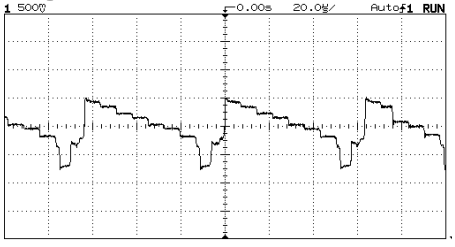
(21) I501 Pin 37



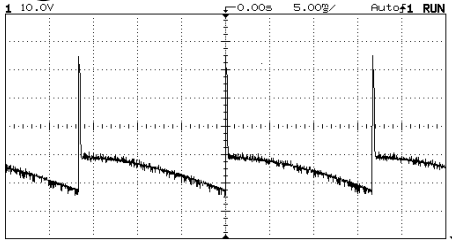
(22) I501 Pin 6



(23) I501 Pin 8



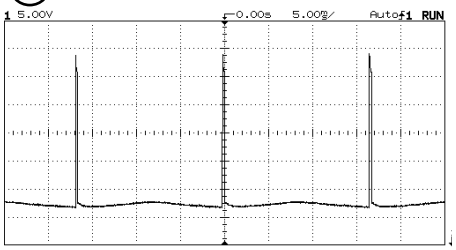
(24) I601 Pin 1



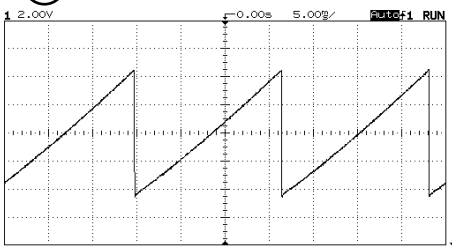
# WAVEFORMS AT EACH SECTION

Numbers inside circle correspond to locations shown in the circuit diagram.

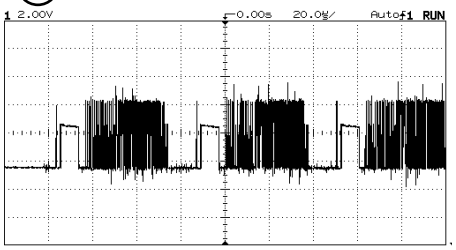
(25) I601 Pin 11



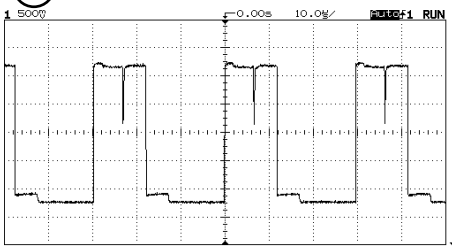

(26) I601 Pin 7



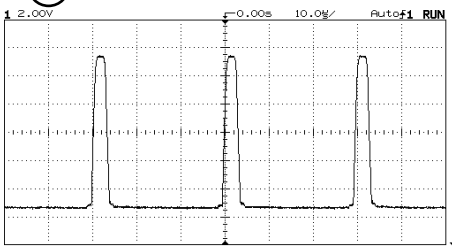

(27) I601 Pin 24



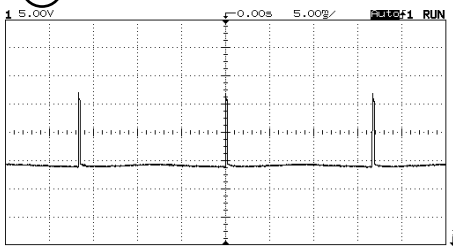

(28) PSD2 Pin 5



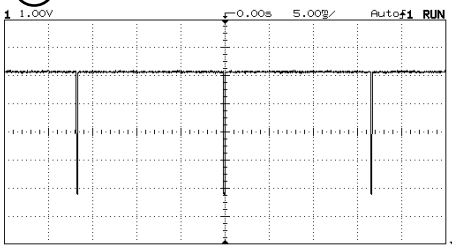

(29) PSD2 Pin 7



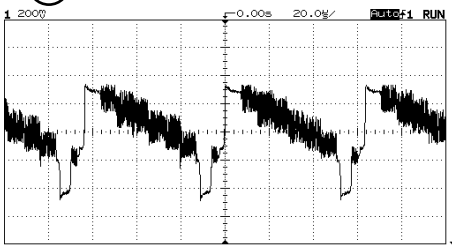

(30) PSD2 Pin 11



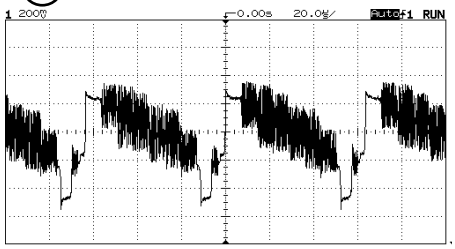

(31) PSD2 Pin 9



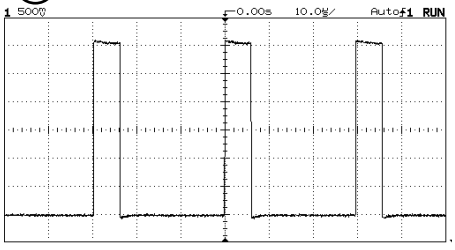

(32) U501 Pin 18



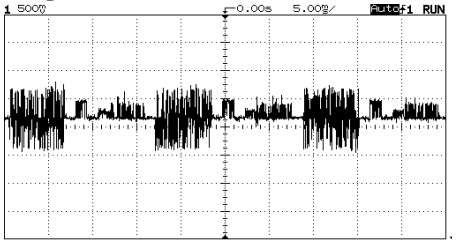

(33) U502 Pin 18



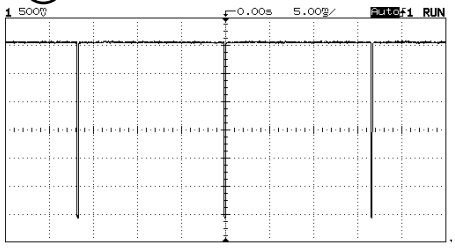

(34) UC01 Pin 12




(35) UC01 Pin 4



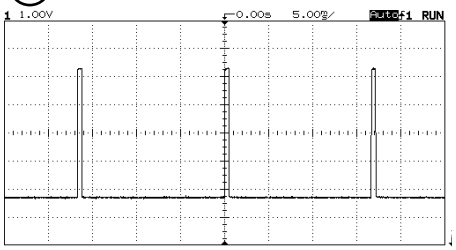

(36) UC01 Pin 6



# WAVEFORMS AT EACH SECTION

Numbers inside circle correspond to locations shown in the circuit diagram.

(37) UC01 Pin 7



## DC Voltages

| Circuit No. | Pin No. | Voltage DC |
|---|---|---|
| I001 | 1 | 0.0 |
| | 2 | 4.8 |
| | 3 | 4.8 |
| | 4 | 3.8 |
| | 5 | 3.5 |
| | 6 | 1.6 |
| | 7 | 3.5 |
| | 8 | 3.3 |
| | 9 | 2.9 |
| | 10 | 0.0 |
| | 11 | 0.0 |
| | 12 | 0.0 |
| | 13 | 0.0 |
| | 14 | 0.0 |
| | 15 | 0.0 |
| | 16 | 0.0 |
| | 17 | 0.0 |
| | 18 | 0.0 |
| | 19 | 0.0 |
| | 20 | 3.5 |
| | 21 | 0.0 |
| | 22 | 0.0 |
| | 23 | 1.8 |
| | 24 | 2.9 |
| | 25 | 3.4 |
| | 26 | 2.2 |
| | 27 | 2.5 |
| | 28 | 0.6 |
| | 29 | 0.0 |
| | 30 | 0.6 |
| | 31 | 2.5 |
| | 32 | 1.5 |
| | 33 | 3.5 |
| | 34 | 2.0 |
| | 35 | 1.7 |
| | 36 | 1.8 |
| | 37 | 0.0 |
| | 38 | 0.0 |
| | 39 | 0.0 |
| | 40 | 0.0 |
| | 41 | 1.6 |
| | 42 | 1.6 |
| | 43 | 0.0 |
| | 44 | 0.0 |
| | 45 | 4.7 |
| | 46 | 4.5 |
| | 47 | 1.9 |
| | 48 | 1.9 |
| | 49 | 3.0 |
| | 50 | 3.5 |
| | 51 | 0.0 |
| | 52 | 3.5 |
| | 53 | 3.2 |
| | 54 | 3.5 |

Signal (1/4)

| Circuit No. | Pin No. | Voltage DC |
|---|---|---|
| I001 | 55 | 3.5 |
| | 56 | 0.0 |
| | 57 | 3.4 |
| | 58 | 3.4 |
| | 59 | 4.6 |
| | 60 | 4.6 |
| | 61 | 3.5 |
| | 62 | 1.8 |
| | 63 | 1.8 |
| | 64 | 0.0 |
| I002 | 1 | 3.5 |
| | 2 | 0.0 |
| | 3 | 3.5 |
| I003 | 1 | 0.0 |
| | 2 | 0.0 |
| | 3 | 0.0 |
| | 4 | 0.0 |
| | 5 | 4.7 |
| | 6 | 4.7 |
| | 7 | 0.0 |
| | 8 | 5.1 |
| I004 | 1 | 5.1 |
| | 2 | 0.0 |
| | 3 | 0.0 |
| | 4 | 3.5 |
| | 5 | 0.0 |
| | 6 | 0.0 |
| | 7 | 0.0 |
| | 8 | 0.0 |
| | 9 | 0.0 |
| | 10 | 0.0 |
| | 11 | 0.0 |
| | 12 | 0.0 |
| | 13 | 0.0 |
| | 14 | 0.0 |
| | 15 | 0.0 |
| | 16 | 5.1 |
| | 17 | 4.9 |
| | 18 | 0.0 |
| | 19 | 0.0 |
| | 20 | 5.1 |
| I005 | 1 | 2.6 |
| | 2 | 2.3 |
| | 3 | 0.0 |
| | 4 | 0.0 |
| | 5 | 0.0 |
| | 6 | 0.0 |
| | 7 | 0.0 |
| | 8 | 0.0 |
| | 9 | 0.0 |
| | 10 | 0.0 |
| | 11 | 0.0 |
| | 12 | 2.9 |
| | 13 | 2.9 |

| Circuit No. | Pin No. | Voltage DC |
|---|---|---|
| I005 | 14 | 2.9 |
| | 15 | 2.3 |
| | 16 | 8.9 |
| I006 | 1 | 0.0 |
| | 2 | 4.9 |
| | 3 | 4.1 |
| | 4 | 4.1 |
| | 5 | 4.7 |
| | 6 | 0.4 |
| | 7 | 4.7 |
| | 8 | 0.0 |
| | 9 | 0.0 |
| | 10 | 4.9 |
| | 11 | 0.0 |
| | 12 | 0.0 |
| | 13 | 5.0 |
| | 14 | 4.8 |
| | 15 | 4.7 |
| | 16 | 5.0 |
| I007 | 1 | 0.0 |
| | 2 | 0.3 |
| | 3 | 0.4 |
| | 4 | 1.9 |
| | 5 | 0.4 |
| | 6 | 0.4 |
| | 7 | 0.4 |
| | 8 | 0.0 |
| | 9 | 5.0 |
| | 10 | 0.9 |
| | 11 | 0.0 |
| | 12 | 0.0 |
| | 13 | 0.0 |
| | 14 | 4.7 |
| | 15 | 4.7 |
| | 16 | 5.0 |
| Q001 | E | 0.0 |
| | B | 0.0 |
| | C | 3.4 |
| Q002 | E | 3.5 |
| | B | 3.4 |
| | C | 0.0 |
| Q003 | E | 0.0 |
| | B | 0.8 |
| | C | 0.0 |
| Q004 | E | 0.0 |
| | B | 0.0 |
| | C | 1.9 |
| Q005 | E | 0.0 |
| | B | 0.0 |
| | C | 3.4 |
| Q006 | E | 0.0 |
| | B | -1.5 |
| | C | 3.0 |
| Q007 | E | 0.0 |
| | B | 0.2 |
| | C | 2.9 |

| Circuit No. | Pin No. | Voltage DC |
|---|---|---|
| Q008 | E | 5.7 |
| | B | 5.8 |
| | C | 0.5 |
| Q009 | E | 5.2 |
| | B | 5.2 |
| | C | 0.0 |
| Q010 | E | 0.0 |
| | B | 0.0 |
| | C | 2.9 |
| Q011 | E | 5.8 |
| | B | 5.8 |
| | C | 0.6 |
| Q012 | E | 5.8 |
| | B | 5.2 |
| | C | 0.0 |
| Q013 | E | 4.6 |
| | B | 5.2 |
| | C | 8.9 |
| Q014 | E | 4.6 |
| | B | 5.2 |
| | C | 8.9 |
| Q015 | E | 3.0 |
| | B | 2.4 |
| | C | 0.0 |
| Q016 | E | 2.4 |
| | B | 3.0 |
| | C | 8.9 |
| Q017 | E | 0.0 |
| | B | 0.8 |
| | C | 0 |
| Q018 | E | 3.5 |
| | B | 2.8 |
| | C | 3.4 |
| Q019 | E | 0.0 |
| | B | 0.4 |
| | C | 1.9 |
| Q020 | E | 0.0 |
| | B | 0.4 |
| | C | 1.6 |
| Q021 | E | 0.0 |
| | B | 0.0 |
| | C | 35.1 |
| Q022 | E | 35.1 |
| | B | 34.9 |
| | C | 0.0 |
| Q023 | E | 0.0 |
| | B | 0.0 |
| | C | 34.9 |
| Q024 | E | 3.1 |
| | B | 3.1 |
| | C | 0.0 |
| Q025 | E | 3.6 |
| | B | 4.1 |
| | C | 5.1 |
| Q026 | E | 0.0 |
| | B | 0.7 |
| | C | 0.0 |

# DC Voltages

Signal (2/4)

| Circuit No. | Pin No. | Voltage DC |
|---|---|---|
| | 1 | 0.0 |
| | 2 | 0.0 |
| | 3 | 1.6 |
| | 4 | 1.6 |
| | 5 | 1.6 |
| | 6 | 1.6 |
| | 7 | 1.6 |
| | 8 | 1.6 |
| | 9 | 1.6 |
| | 10 | 1.1 |
| | 11 | 2.9 |
| | 12 | 2.5 |
| | 13 | 1.3 |
| | 14 | 1.3 |
| | 15 | 1.3 |
| | 16 | 0.0 |
| | 17 | 2.6 |
| | 18 | 2.6 |
| | 19 | 1.9 |
| | 20 | 2.1 |
| | 21 | 0.7 |
| | 22 | 1.6 |
| | 23 | 0.0 |
| | 24 | 1.6 |
| | 25 | 2.1 |
| | 26 | 0.0 |
| I301 | 27 | 0.0 |
| | 28 | 0.0 |
| | 29 | 0.0 |
| | 30 | 0.0 |
| | 31 | 1.6 |
| | 32 | 3.3 |
| | 33 | 0.0 |
| | 34 | 0.0 |
| | 35 | 0.0 |
| | 36 | 0.0 |
| | 37 | 0.0 |
| | 38 | 0.0 |
| | 39 | 0.0 |
| | 40 | 0.0 |
| | 41 | 0.0 |
| | 42 | 0.0 |
| | 43 | 0.0 |
| | 44 | 0.0 |
| | 45 | 3.3 |
| | 46 | 3.3 |
| | 47 | 1.9 |
| | 48 | 0.0 |

| Circuit No. | Pin No. | Voltage DC |
|---|---|---|
| | 49 | 0.0 |
| | 50 | 1.6 |
| | 51 | 0.0 |
| | 52 | 0.0 |
| | 53 | 3.4 |
| | 54 | 0.0 |
| | 55 | 0.0 |
| | 56 | 0.0 |
| | 57 | 3.3 |
| | 58 | 0.0 |
| | 59 | 4.6 |
| | 60 | 4.6 |
| | 61 | 0.0 |
| | 62 | 0.0 |
| | 63 | 0.0 |
| | 64 | 3.3 |
| | 65 | 0.0 |
| | 66 | 0.0 |
| | 67 | 0.0 |
| | 68 | 0.0 |
| | 69 | 0.0 |
| | 70 | 0.0 |
| | 71 | 0.0 |
| I301 | 72 | 0.0 |
| | 73 | 0.0 |
| | 74 | 0.0 |
| | 75 | 0.0 |
| | 76 | 0.0 |
| | 77 | 0.0 |
| | 78 | 0.0 |
| | 79 | 0.0 |
| | 80 | 0.0 |
| | 81 | 3.3 |
| | 82 | 0.0 |
| | 83 | 0.0 |
| | 84 | 0.0 |
| | 85 | 1.1 |
| | 86 | 0.0 |
| | 87 | 0.0 |
| | 88 | 1.2 |
| | 89 | 0.9 |
| | 90 | 1.1 |
| | 91 | 1.6 |
| | 92 | 3.3 |
| | 93 | 0.0 |
| | 94 | 0.0 |
| | 95 | 3.3 |
| | 96 | 0.0 |

| Circuit No. | Pin No. | Voltage DC |
|---|---|---|
| | 97 | 0.0 |
| I301 | 98 | 0.6 |
| | 99 | 1.6 |
| | 100 | 3.3 |
| | 1 | 0.0 |
| I302 | 2 | 0.0 |
| | 3 | 0.0 |
| | 4 | 3.3 |
| | 5 | 3.3 |
| | 1 | 5.0 |
| | 2 | 2.1 |
| | 3 | 2.1 |
| | 4 | 1.9 |
| | 5 | 2.1 |
| | 6 | 5.0 |
| | 7 | 1.8 |
| | 8 | 1.6 |
| | 9 | 1.6 |
| | 10 | 0.7 |
| | 11 | 0.0 |
| | 12 | 0.0 |
| | 13 | 2.9 |
| | 14 | 0.6 |
| | 15 | 0.0 |
| | 16 | 1.6 |
| | 17 | 1.6 |
| | 18 | 1.6 |
| | 19 | 1.6 |
| I303 | 20 | 5.0 |
| | 21 | 0.0 |
| | 22 | 1.6 |
| | 23 | 1.6 |
| | 24 | 1.6 |
| | 25 | 1.6 |
| | 26 | 1.6 |
| | 27 | 2.5 |
| | 28 | 1.1 |
| | 29 | 1.1 |
| | 30 | 0.0 |
| | 21 | 1.3 |
| | 32 | 3.0 |
| | 33 | 1.9 |
| | 34 | 2.1 |
| | 35 | 0.0 |
| | 36 | 2.5 |
| | 37 | 1.9 |
| | 38 | 2.1 |
| | 39 | 2.1 |
| | 40 | 0.0 |

| Circuit No. | Pin No. | Voltage DC |
|---|---|---|
| | 1 | 4.0 |
| | 2 | 4.0 |
| | 3 | 4.0 |
| | 4 | 2.2 |
| | 5 | 0.0 |
| | 6 | 1.8 |
| | 7 | 6.0 |
| | 8 | 3.0 |
| | 9 | 0.0 |
| | 10 | 7.3 |
| | 11 | 0.0 |
| | 12 | 5.7 |
| | 13 | 4.8 |
| | 14 | 0.0 |
| | 15 | 1.0 |
| | 16 | 0.0 |
| | 17 | 0.6 |
| | 18 | 8.9 |
| | 19 | 8.9 |
| | 20 | 4.5 |
| I501 | 21 | 4.3 |
| | 22 | 4.3 |
| | 23 | 0.0 |
| | 24 | 0.0 |
| | 25 | 5.8 |
| | 26 | 0.0 |
| | 27 | 0.0 |
| | 28 | 0.0 |
| | 29 | 0.0 |
| | 30 | 0.0 |
| | 31 | 5.5 |
| | 32 | 0.0 |
| | 33 | 0.0 |
| | 34 | 4.6 |
| | 35 | 0.0 |
| | 36 | 0.0 |
| | 37 | 2.2 |
| | 38 | 2.8 |
| | 39 | 0.0 |
| | 40 | 0.0 |
| | 41 | 5.0 |
| | 42 | 5.0 |
| | 43 | 0.0 |
| | 44 | 3.1 |
| | 45 | 0.0 |
| | 46 | 3.8 |
| | 47 | 2.3 |
| | 48 | 2.5 |

## DC Voltages

| Circuit No. | Pin No. | Voltage DC |
|---|---|---|
| I502 | 1 | 2.5 |
| | 2 | 0.0 |
| | 3 | 1.8 |
| | 4 | 0.0 |
| | 5 | 1.8 |
| | 6 | 1.8 |
| | 7 | 0.0 |
| | 8 | 2.4 |
| | 9 | 2.8 |
| | 10 | 0.0 |
| | 11 | 2.5 |
| | 12 | 0.0 |
| | 13 | 5.0 |
| | 14 | 2.5 |
| | 15 | 0.0 |
| | 16 | 2.5 |
| I503 | 1 | 0.0 |
| | 2 | 0.2 |
| | 3 | 5.0 |
| | 4 | 4.7 |
| | 5 | 0.0 |
| | 6 | 0.0 |
| | 7 | 0.0 |
| | 8 | 0.0 |
| | 9 | 0.0 |
| | 10 | 4.9 |
| | 11 | 4.9 |
| | 12 | 5.0 |
| | 13 | 0.3 |
| | 14 | 0.0 |
| | 15 | 4.7 |
| | 16 | 5.0 |
| Q301 | E | 2.0 |
| | B | 2.3 |
| | C | 3.1 |
| Q302 | E | 3.3 |
| | B | 3.1 |
| | C | 0.0 |
| Q303 | E | 0.0 |
| | B | 0.0 |
| | C | 2.8 |
| Q304 | E | 0.4 |
| | B | 0.0 |
| | C | 0.0 |

| Circuit No. | Pin Name | Voltage DC |
|---|---|---|
| Q305 | E | 0.0 |
| | B | 0.0 |
| | C | 1.7 |
| Q306 | E | 0.0 |
| | B | 0.0 |
| | C | 0.0 |
| Q307 | E | 3.0 |
| | B | 3.6 |
| | C | 8.9 |
| Q308 | E | 2.5 |
| | B | 1.9 |
| | C | 0.0 |
| Q309 | E | 0.0 |
| | B | 0.4 |
| | C | 0.0 |
| Q310 | E | 0.0 |
| | B | 0.4 |
| | C | 1.6 |
| Q311 | E | 1.7 |
| | B | 1.6 |
| | C | 1.2 |
| Q312 | E | 1.1 |
| | B | 1.2 |
| | C | 1.7 |
| Q313 | E | 0.0 |
| | B | 0.0 |
| | C | 0.0 |
| Q314 | E | 1.2 |
| | B | 1.8 |
| | C | 8.3 |
| Q315 | E | 8.9 |
| | B | 8.3 |
| | C | 5.2 |
| Q316 | E | 4.6 |
| | B | 0.0 |
| | C | 8.9 |
| Q317 | E | 2.7 |
| | B | 2.1 |
| | C | 0.0 |

| Circuit No. | Pin Name | Voltage DC |
|---|---|---|
| Q501 | E | 0.0 |
| | B | 0.8 |
| | C | 0.0 |
| Q504 | E | 0.0 |
| | B | 0 |
| | C | 4.9 |
| Q505 | E | 1.6 |
| | B | 2.2 |
| | C | 0.0 |
| Q551 | E | 4.9 |
| | B | 4.3 |
| | C | 0.0 |
| Q552 | E | 4.9 |
| | B | 4.3 |
| | C | 0.0 |
| Q553 | E | 5.1 |
| | B | 4.5 |
| | C | 0 |
| Q554 | E | 4.8 |
| | B | 0 |
| | C | 8.9 |
| Q555 | E | 3.3 |
| | B | 0.0 |
| | C | 8.9 |
| Q556 | E | 0 |
| | B | 0 |
| | C | 8.9 |
| Q557 | E | 3.2 |
| | B | 3.8 |
| | C | 0.0 |
| Q558 | E | 1.2 |
| | B | 1.8 |
| | C | 8.9 |

| Circuit No. | Pin Name | Voltage DC |
|---|---|---|
| Q559 | E | 0.0 |
| | B | 0.7 |
| | C | 0.0 |
| Q560 | E | 5.2 |
| | B | 5.0 |
| | C | 8.9 |
| Q561 | E | 4.1 |
| | B | 3.5 |
| | C | 0.0 |
| Q562 | E | 5.2 |
| | B | 5.0 |
| | C | 8.9 |
| Q563 | E | 4.2 |
| | B | 3.6 |
| | C | 0.0 |
| Q564 | E | 2.3 |
| | B | 1.7 |
| | C | 0.0 |

# DC Voltages

Signal (3/4)

| Circuit No. | Pin No. | Voltage DC |
|---|---|---|
| IC01 | 1 | 1.6 |
| | 2 | 5.5 |
| | 3 | 5.3 |
| | 4 | 5.2 |
| | 5 | 5.1 |
| | 6 | 0.0 |
| | 7 | 0.2 |
| | 8 | 5.2 |
| | 9 | 5.2 |
| | 10 | 5.2 |
| | 11 | 7.1 |
| | 12 | 3.3 |
| | 13 | 4.8 |
| | 14 | 2.1 |
| | 15 | 3.3 |
| | 16 | 3.3 |
| | 17 | 1.6 |
| | 18 | 1.6 |
| | 19 | 9.2 |
| | 20 | 6.7 |
| | 21 | 5.5 |
| | 22 | 2.9 |
| | 23 | 2.6 |
| | 24 | 1.2 |
| | 25 | 0.0 |
| | 26 | 1.4 |
| | 27 | 5.1 |
| | 28 | 0.2 |
| | 29 | 2.2 |
| | 30 | 4.6 |
| | 31 | 4.6 |
| | 32 | 0.0 |
| | 33 | 4.1 |
| | 34 | 4.1 |
| | 35 | 4.1 |
| | 36 | 0.6 |
| | 37 | 4.1 |
| | 38 | 4.1 |
| | 39 | 4.1 |
| | 40 | 9.2 |
| | 41 | 2.7 |
| | 42 | 2.7 |
| | 43 | 2.7 |
| | 44 | 0.0 |
| | 45 | 9.2 |
| | 46 | 4.9 |
| | 47 | 4.9 |
| | 48 | 4.7 |
| | 49 | 0.0 |
| | 50 | 0.0 |

| Circuit No. | Pin No. | Voltage DC |
|---|---|---|
| IC01 | 51 | 0.0 |
| | 52 | 0.0 |
| | 53 | 5.8 |
| | 54 | 4.2 |
| | 55 | 9.2 |
| | 56 | 5.6 |
| IC02 | 1 | 7.2 |
| | 2 | 0.0 |
| | 3 | 5.0 |
| IC03 | 1 | 4.2 |
| | 2 | 0.0 |
| | 3 | 3.4 |
| IC04 | 1 | 5.0 |
| | 2 | 0.0 |
| | 3 | 2.5 |
| QC01 | E | 0.0 |
| | B | 0.6 |
| | C | 1.7 |
| QC02 | E | 0.5 |
| | B | 0.6 |
| | C | 1.7 |
| QC03 | E | 0.5 |
| | B | 0.6 |
| | C | 0.0 |
| QC04 | E | 3.5 |
| | B | 4.1 |
| | C | 9.2 |
| QC05 | E | 3.4 |
| | B | 4.0 |
| | C | 9.2 |
| QC06 | E | 3.5 |
| | B | 4.1 |
| | C | 0.0 |
| QC07 | E | 1.1 |
| | B | 1.2 |
| | C | 1.8 |
| QC08 | E | 0.0 |
| | B | 1.2 |
| | C | 0.0 |
| QC09 | E | 1.1 |
| | B | 1.1 |
| | C | 1.8 |

| Circuit No. | Pin Name | Voltage DC |
|---|---|---|
| QC10 | E | 0.4 |
| | B | 0.0 |
| | C | 9.2 |
| QC11 | E | 9.2 |
| | B | 9.2 |
| | C | 1.0 |
| QC12 | E | 0.0 |
| | B | 0.0 |
| | C | 1.8 |
| QC13 | E | 1.6 |
| | B | 0.0 |
| | C | 0.0 |
| QC14 | E | 1.2 |
| | B | 0.0 |
| | C | 9.2 |
| QC15 | E | 1.2 |
| | B | 0.6 |
| | C | 9.2 |
| QC16 | E | 0.0 |
| | B | 0.0 |
| | C | 9.2 |
| QC17 | E | 0.0 |
| | B | 0.0 |
| | C | 9.2 |
| QC18 | E | 6.9 |
| | B | 7.5 |
| | C | 9.2 |
| QC19 | E | 0.7 |
| | B | 0.0 |
| | C | 0.0 |
| QC20 | E | 0.7 |
| | B | 0.0 |
| | C | 0.0 |
| QC21 | E | 0.7 |
| | B | 0.0 |
| | C | 0.0 |
| QC22 | E | 0.7 |
| | B | 0.0 |
| | C | 0.0 |
| QC23 | E | 0.7 |
| | B | 0.0 |
| | C | 0.0 |

| Circuit No. | Pin Name | Voltage DC |
|---|---|---|
| QC24 | E | 0.7 |
| | B | 0.0 |
| | C | 0.0 |
| QC26 | E | 3.5 |
| | B | 4.2 |
| | C | 9.3 |
| QC30 | E | 3.3 |
| | B | 2.6 |
| | C | 0.0 |
| QC31 | E | 8.0 |
| | B | 0.0 |
| | C | 3.3 |
| QC35 | E | 3.3 |
| | B | 2.6 |
| | C | 0.0 |
| QC36 | E | 8.0 |
| | B | 0.0 |
| | C | 0.0 |
| QC40 | E | 3.4 |
| | B | 2.7 |
| | C | 0.0 |
| QC41 | E | 0.0 |
| | B | 7.3 |
| | C | 3.4 |
| QC42 | E | 0.0 |
| | B | 0.4 |
| | C | 0.0 |

# DC Voltages

Signal (4/4)

| Circuit No. | Pin Name | Voltage DC |
|---|---|---|
| IJ01 | 1 | 1.6 |
| | 2 | 0.0 |
| | 3 | 0.0 |
| | 4 | 0.0 |
| | 5 | 1.6 |
| | 6 | 10.8 |
| | 7 | 14.8 |
| | 8 | 5.1 |
| | 9 | 31.7 |
| | 10 | 0.0 |
| | 11 | 4.3 |
| | 12 | 14.4 |

| Circuit No. | Pin Name | Voltage DC |
|---|---|---|
| QJ01 | E | 0.0 |
| | B | 0.0 |
| | C | 0.0 |
| QJ02 | E | 0.0 |
| | B | 0.0 |
| | C | 0.0 |
| QJ03 | E | 0.0 |
| | B | 0.0 |
| | C | 4.2 |
| QJ04 | E | 0.0 |
| | B | 0.0 |
| | C | 10.8 |

| Circuit No. | Pin No. | Voltage DC |
|---|---|---|
| QH01 | E | 0.4 |
| | B | 3.8 |
| | C | 90.0 |
| QH02 | E | 0.0 |
| | B | 0.5 |
| | C | 3.8 |
| QH03 | E | 0.0 |
| | B | 0.5 |
| | C | 59.1 |

Deflection

| Circuit No. | Pin No. | Voltage DC |
|---|---|---|
| I601 | 1 | 14.3 |
| | 2 | 26.6 |
| | 3 | 4.9 |
| | 4 | 6.7 |
| | 5 | 4.5 |
| | 6 | 0.0 |
| | 7 | 5.3 |
| | 8 | 6.1 |
| | 9 | 4.5 |
| | 10 | 27.0 |
| | 11 | 1.0 |
| IH01 | 1 | 5.2 |
| | 2 | 11.6 |
| | 3 | 0.8 |
| | 4 | 2.5 |
| | 5 | 1.7 |
| | 6 | 0.0 |
| | 7 | 0.9 |
| | 8 | 0.0 |
| | 9 | 7.1 |
| | 10 | 7.1 |
| | 11 | 7.1 |
| | 12 | 7.1 |
| | 13 | 2.5 |
| | 14 | 1.9 |
| | 15 | 5.0 |
| | 16 | 0.0 |

| Circuit No. | Pin No. | Voltage DC |
|---|---|---|
| QN01 | E | 0.0 |
| | B | 0.0 |
| | C | 0.5 |
| QN02 | E | 11.4 |
| | B | 11.4 |
| | C | 0.0 |
| QN03 | E | 0.0 |
| | B | 0.0 |
| | C | 11.4 |
| QN04 | E | 0.5 |
| | B | 0.9 |
| | C | 11.4 |
| QN05 | E | 0.0 |
| | B | 0.0 |
| | C | 11.5 |
| QN06 | E | 0.0 |
| | B | 0.4 |
| | C | 0.0 |

| Circuit No. | Pin Name | Voltage DC |
|---|---|---|
| Q601 | E | 0.0 |
| | B | 0.3 |
| | C | 4.2 |
| Q602 | E | 0.0 |
| | B | 0.0 |
| | C | 0.5 |
| Q603 | E | 0.0 |
| | B | 0.0 |
| | C | 5.2 |
| Q604 | E | 27.2 |
| | B | 27.0 |
| | C | 0.0 |
| Q701 | E | 92.1 |
| | B | 93.1 |
| | C | 115.5 |
| Q703 | E | 2.3 |
| | B | 3.0 |
| | C | 93.1 |
| Q704 | E | 0.0 |
| | B | 0.5 |
| | C | 14.1 |
| Q705 | E | 0.0 |
| | B | 0.7 |
| | C | 0.0 |
| Q706 | E | 1.3 |
| | B | 0.8 |
| | C | 11.6 |
| Q707 | E | 0.0 |
| | B | 0.7 |
| | C | 0.0 |
| Q708 | E | 0.0 |
| | B | 0.0 |
| | C | 11.1 |
| Q709 | E | 0.0 |
| | B | 0.4 |
| | C | 11.1 |
| Q710 | E | 0.0 |
| | B | 0.3 |
| | C | 0.0 |
| Q777 | E | 0.0 |
| | B | 0.0 |
| | C | 90.0 |

Power Deflection

| Circuit No. | Pin Name | Voltage DC |
|---|---|---|
| IP01 | 1 | 2.0 |
| | 2 | 0.0 |
| | 3 | 161.3 |
| | 4 | 15.4 |
| | 5 | 0.0 |
| IP02 | 1 | 12.0 |
| | 2 | 11.1 |
| | 3 | 3.0 |
| | 4 | 15.4 |
| IP03 | 1 | 115.6 |
| | 2 | 11.0 |
| | 3 | 0.0 |
| IP04 | 1 | 11.7 |
| | 2 | 9.1 |
| | 3 | 0.0 |
| | 4 | 1.9 |
| IP05 | 1 | 7.4 |
| | 2 | 5.1 |
| | 3 | 0.0 |
| | 4 | 1.9 |
| IP06 | 1 | 7.4 |
| | 2 | 6.3 |
| | 3 | 0.0 |
| | 4 | 2.1 |

| Circuit No. | Pin Name | Voltage DC |
|---|---|---|
| QP02 | E | 116.0 |
| | B | 115.5 |
| | C | 1.3 |
| QP03 | E | 9.1 |
| | B | 9.1 |
| | C | 0.0 |

# DC Voltages

SRS/BBE

| Circuit No. | Pin No. | Voltage DC |
|---|---|---|
| IA01 | 1 | 4.5 |
| | 2 | 4.5 |
| | 3 | 4.5 |
| | 4 | 4.5 |
| | 5 | 4.5 |
| | 6 | 4.5 |
| | 7 | 4.5 |
| | 8 | 4.5 |
| | 9 | 0.8 |
| | 10 | 4.5 |
| | 11 | 1.2 |
| | 12 | 1.2 |
| | 13 | 4.5 |
| | 14 | 4.5 |
| | 15 | 0.0 |
| | 16 | 8.9 |
| | 17 | 0.0 |
| | 18 | 4.8 |
| | 19 | 1.4 |
| | 20 | 1.4 |
| | 21 | 4.5 |
| | 22 | 4.5 |
| | 23 | 4.5 |
| | 24 | 4.5 |
| | 25 | 4.5 |
| | 26 | 4.5 |
| | 27 | 4.5 |
| | 28 | 4.5 |
| | 29 | 4.5 |
| | 30 | 4.5 |
| IA02 | 1 | 0.0 |
| | 2 | 4.5 |
| | 3 | 4.5 |
| | 4 | 4.5 |
| | 5 | 4.5 |
| | 6 | 4.5 |
| | 7 | 4.5 |
| | 8 | 4.5 |
| | 9 | 4.5 |
| | 10 | 8.9 |
| | 11 | 0.0 |
| | 12 | 4.5 |
| | 13 | 0.0 |
| | 14 | 0.0 |
| | 15 | 4.5 |
| | 16 | 4.5 |
| | 17 | 4.5 |
| | 18 | 4.5 |
| | 19 | 0.0 |

| Circuit No. | Pin No. | Voltage DC |
|---|---|---|
| IA02 | 20 | 4.5 |
| | 21 | 4.5 |
| | 22 | 4.5 |
| | 23 | 4.5 |
| | 24 | 4.5 |
| IA07 | 1 | 4.9 |
| | 2 | 4.9 |
| | 3 | 4.9 |
| | 4 | 0.0 |
| | 5 | 4.8 |
| | 6 | 4.8 |
| | 7 | 4.8 |
| | 8 | 8.9 |

| Circuit No. | Pin Name | Voltage DC |
|---|---|---|
| QA01 | E | 1.4 |
| | B | 2.1 |
| | C | 8.2 |
| QA02 | E | 8.9 |
| | B | 8.2 |
| | C | 5.0 |
| QA03 | E | 1.4 |
| | B | 2.1 |
| | C | 8.2 |
| QA04 | E | 8.9 |
| | B | 8.2 |
| | C | 4.9 |
| QA05 | E | 0.0 |
| | B | 0.0 |
| | C | 0.0 |

VM

| Circuit No. | Pin Name | Voltage DC |
|---|---|---|
| QE01 | E | 2.6 |
| | B | 3.3 |
| | C | 12.5 |
| QE02 | E | 12.5 |
| | B | 11.8 |
| | C | 27.4 |
| QE03 | E | 12.5 |
| | B | 13.1 |
| | C | 22.1 |
| QE04 | E | 21.4 |
| | B | 22.1 |
| | C | 27.4 |
| QE05 | E | 1.6 |
| | B | 2.2 |
| | C | 15.3 |
| E07 | E | 16.0 |
| | B | 15.4 |
| | C | 0.0 |
| QE08 | E | 15.4 |
| | B | 16.0 |
| | C | 27.4 |
| QE10 | E | 14.8 |
| | B | 14.4 |
| | C | 27.4 |
| QE11 | E | 14.6 |
| | B | 14.0 |
| | C | 0.0 |
| QE22 | E | 214.5 |
| | B | 214.0 |
| | C | 10.6 |
| QE23 | E | 213.4 |
| | B | 213.0 |
| | C | 121.6 |
| QE24 | E | 121.6 |
| | B | 134.1 |
| | C | 116.4 |
| QE25 | E | 16.6 |
| | B | 17.1 |
| | C | 116.0 |
| QE26 | E | 0.9 |
| | B | 1.5 |
| | C | 16.6 |
| QE35 | E | 11.8 |
| | B | 12.3 |
| | C | 155.0 |
| QE36 | E | 11.8 |
| | B | 12.5 |
| | C | 27.4 |

FOCUS

| Circuit No. | Pin Name | Voltage DC |
|---|---|---|
| QF03 | E | 0.6 |
| | B | 1.2 |
| | C | 5.7 |
| QF04 | E | 5.6 |
| | B | 5.7 |
| | C | 0.7 |
| QF05 | E | 0.3 |
| | B | 0.7 |
| | C | 11.2 |
| QF06 | E | 11.4 |
| | B | 11.6 |
| | C | 302.0 |
| QF07 | E | 401.0 |
| | B | 301.0 |
| | C | 788.0 |
| QF08 | E | 10.2 |
| | B | 10.7 |
| | C | 354.0 |

## DC Voltages

Power supply

| Circuit No. | Pin No. | Voltage DC |
|---|---|---|
| I901 | 1 | 163.9 |
| | 2 | 0.0 |
| | 3 | 0.0 |
| | 4 | 16.9 |
| | 5 | 2.4 |
| I902 | 1 | 5.2 |
| | 2 | 4.3 |
| | 3 | 3.5 |
| | 4 | 17.5 |
| I903 | 1 | 5.0 |
| | 2 | 4.3 |
| | 3 | 0.0 |
| | 4 | 16.8 |
| I904 | 1 | 4.8 |
| | 2 | 5.5 |
| | 3 | 5.2 |
| | 4 | 2.4 |
| I906 | 1 | 0.0 |
| | 2 | 1.9 |
| | 3 | 9.5 |
| | 4 | 9.1 |
| | 5 | 11.0 |

Convergence

| Circuit No. | Pin No. | Voltage DC |
|---|---|---|
| IK01 | 1 | 11.6 |
| | 2 | 0.0 |
| | 3 | 5.1 |
| IK02 | 1 | 4.0 |
| | 2 | 5.0 |
| | 3 | 0.0 |
| IK04 | 1 | 0.0 |
| | 2 | 0.0 |
| | 3 | -29.3 |
| | 4 | -30.4 |
| | 5 | 31.0 |
| | 6 | 0.0 |
| | 7 | 0.0 |
| | 8 | -26.9 |
| | 9 | 0.0 |
| | 10 | 27.2 |
| | 11 | 0.0 |
| | 12 | -26.9 |
| | 13 | 0.0 |
| | 14 | 0.0 |
| | 15 | 0.0 |
| | 16 | 0.0 |
| | 17 | -26.9 |
| | 18 | 0.0 |
| IK05 | 1 | 0.0 |
| | 2 | 0.0 |
| | 3 | -29.3 |
| | 4 | -30.4 |
| | 5 | 31.0 |
| | 6 | 0.0 |
| | 7 | 0.0 |
| | 8 | -26.9 |
| | 9 | 0.0 |
| | 10 | 27.2 |
| | 11 | 0.0 |
| | 12 | -26.9 |
| | 13 | 0.0 |
| | 14 | 0.0 |
| | 15 | 0.0 |
| | 16 | 0.0 |
| | 17 | -26.9 |
| | 18 | 0.0 |

| Circuit No. | Pin No. | Voltage DC |
|---|---|---|
| QK01 | E | -7.1 |
| | B | -6.5 |
| | C | -5.3 |
| QK02 | E | 0.6 |
| | B | 0.0 |
| | C | 0.0 |
| QK03 | E | 0.6 |
| | B | 0 |
| | C | -5.8 |
| QK06 | E | 0 |
| | B | 0 |
| | C | 5.1 |
| QK07 | E | 0 |
| | B | 0 |
| | C | 5.1 |
| QK08 | E | 0.0 |
| | B | 0.0 |
| | C | 5.1 |

Sensor

| Circuit No. | Pin No. | Voltage DC |
|---|---|---|
| QL10 | E | 5.1 |
| | B | 4.7 |
| | C | 0 |
| QL11 | E | 5.2 |
| | B | 4.7 |
| | C | 1.6 |
| QL16 | E | 5.1 |
| | B | 4.7 |
| | C | 0.0 |
| QL17 | E | 0.5 |
| | B | 4.7 |
| | C | 0.0 |

# DC Voltages

Terminal

| Circuit No. | Pin No. | Voltage DC |
|---|---|---|
| IX01 | 1 | 3.9 |
| | 2 | 4.4 |
| | 3 | 4.0 |
| | 4 | 4.4 |
| | 5 | 4.4 |
| | 6 | 8.3 |
| | 7 | 0.0 |
| | 8 | 3.9 |
| | 9 | 4.4 |
| | 10 | 3.9 |
| | 11 | 4.4 |
| | 12 | 4.4 |
| | 13 | 0.0 |
| | 14 | 4.8 |
| | 15 | 3.9 |
| | 16 | 4.4 |
| | 17 | 3.9 |
| | 18 | 4.4 |
| | 19 | 4.4 |
| | 20 | 0.0 |
| | 21 | 4.8 |
| | 22 | 4.4 |
| | 23 | 4.4 |
| | 24 | 3.9 |
| | 25 | 4.4 |
| | 26 | 4.4 |
| | 27 | 0.0 |
| | 28 | 4.8 |
| | 29 | 4.4 |
| | 30 | 4.4 |
| | 31 | 4.4 |
| | 32 | 0.0 |
| | 33 | 4.7 |
| | 34 | 4.7 |
| | 35 | 0.0 |
| | 36 | 0.0 |
| | 37 | 4.4 |
| | 38 | 4.4 |
| | 39 | 3.5 |
| | 40 | 4.4 |
| | 41 | 4.2 |
| | 42 | 8.8 |
| | 43 | 4.4 |
| | 44 | 4.2 |
| | 45 | 4.4 |
| | 46 | 3.5 |
| | 47 | 4.4 |
| | 48 | 0.0 |

| Circuit No. | Pin No. | Voltage DC |
|---|---|---|
| IX01 | 49 | 4.7 |
| | 50 | 4.4 |
| | 51 | 4.4 |
| | 52 | 4.4 |
| | 53 | 4.2 |
| | 54 | 4.4 |
| | 55 | 3.6 |
| | 56 | 4.0 |
| | 57 | 0.0 |
| | 58 | 4.3 |
| | 59 | 4.4 |
| | 60 | 3.9 |
| | 61 | 4.4 |
| | 62 | 4.4 |
| | 63 | 4.2 |
| | 64 | 4.4 |
| IX02 | 1 | 6.3 |
| | 2 | 0.0 |
| | 3 | 3.8 |
| | 4 | 4.9 |
| | 5 | 8.7 |
| IX03 | 1 | 4.0 |
| | 2 | 4.0 |
| | 3 | 4.0 |
| | 4 | 2.2 |
| | 5 | 0.0 |
| | 6 | 1.8 |
| | 7 | 5.9 |
| | 8 | 2.9 |
| | 9 | 0.0 |
| | 10 | 7.2 |
| | 11 | 0.0 |
| | 12 | 5.6 |
| | 13 | 4.7 |
| | 14 | 0.0 |
| | 15 | 1.0 |
| | 16 | 0.0 |
| | 17 | 0.6 |
| | 18 | 8.7 |
| | 19 | 8.7 |
| | 20 | 4.4 |
| | 21 | 4.4 |
| | 22 | 4.2 |
| | 23 | 8.7 |
| | 24 | 0.0 |
| | 25 | 5.7 |
| | 26 | 5.7 |
| | 27 | 5.5 |

| Circuit No. | Pin No. | Voltage DC |
|---|---|---|
| IX03 | 28 | 0.0 |
| | 29 | 5.5 |
| | 30 | 5.5 |
| | 31 | 5.5 |
| | 32 | 0.6 |
| | 33 | 4.4 |
| | 34 | 4.5 |
| | 35 | 0.0 |
| | 36 | 0.0 |
| | 37 | 2.2 |
| | 38 | 0.0 |
| | 39 | 0.0 |
| | 40 | 2.7 |
| | 41 | 4.9 |
| | 42 | 4.9 |
| | 43 | 0.0 |
| | 44 | 3.1 |
| | 45 | 0.0 |
| | 46 | 3.7 |
| | 47 | 2.3 |
| | 48 | 2.2 |
| IX04 | 1 | 2.8 |
| | 2 | 2.8 |
| | 3 | 2.8 |
| | 4 | 1.0 |
| | 5 | 1.0 |
| | 6 | 0.0 |
| | 7 | 2.8 |
| | 8 | 2.8 |
| | 9 | 2.8 |
| | 10 | 1.1 |
| | 11 | 1.1 |
| | 12 | 4.9 |
| | 13 | 3.4 |
| | 14 | 3.4 |
| | 15 | 3.2 |
| | 16 | 3.0 |
| | 17 | 0.0 |
| | 18 | 1.1 |
| | 19 | 0.0 |
| | 20 | 2.9 |
| | 21 | 0.0 |
| | 22 | 0.0 |
| | 23 | 0.0 |
| | 24 | 0.0 |
| | 25 | 2.5 |
| | 26 | 2.5 |
| | 27 | 2.3 |

| Circuit No. | Pin No. | Voltage DC |
|---|---|---|
| IX04 | 28 | 4.9 |
| | 29 | 0.0 |
| | 30 | 4.6 |
| | 31 | 4.6 |
| | 32 | 0.0 |
| | 33 | 2.8 |
| | 34 | 2.8 |
| | 35 | 2.8 |
| | 36 | 1.1 |
| | 37 | 1.2 |
| | 38 | 2.2 |
| | 39 | 2.4 |
| | 40 | 4.9 |
| | 41 | 2.8 |
| | 42 | 2.8 |
| | 43 | 2.8 |
| | 44 | 1.1 |
| | 45 | 1.1 |
| | 46 | 0.0 |
| | 47 | 2.4 |
| | 48 | 0.0 |
| IX05 | 1 | 2.8 |
| | 2 | 2.8 |
| | 3 | 2.8 |
| | 4 | 1.0 |
| | 5 | 1.0 |
| | 6 | 0.0 |
| | 7 | 2.8 |
| | 8 | 2.8 |
| | 9 | 2.8 |
| | 10 | 1.1 |
| | 11 | 1.1 |
| | 12 | 4.9 |
| | 13 | 3.4 |
| | 14 | 3.4 |
| | 15 | 3.2 |
| | 16 | 3.0 |
| | 17 | 0.0 |
| | 18 | 1.1 |
| | 19 | 0.0 |
| | 20 | 2.9 |
| | 21 | 0.0 |
| | 22 | 0.0 |
| | 23 | 0.0 |
| | 24 | 0.0 |
| | 25 | 2.5 |
| | 26 | 2.5 |
| | 27 | 2.3 |

## DC Voltages

| Circuit No. | Pin No. | Voltage DC |
|---|---|---|
| IX05 | 28 | 4.9 |
| | 29 | 0.0 |
| | 30 | 4.6 |
| | 31 | 4.6 |
| | 32 | 4.9 |
| | 33 | 2.8 |
| | 34 | 2.8 |
| | 35 | 2.8 |
| | 36 | 1.1 |
| | 37 | 1.2 |
| | 38 | 2.2 |
| | 39 | 2.4 |
| | 40 | 4.9 |
| | 41 | 2.8 |
| | 42 | 2.8 |
| | 43 | 2.8 |
| | 44 | 1.1 |
| | 45 | 1.1 |
| | 46 | 0.0 |
| | 47 | 2.4 |
| | 48 | 0.0 |
| IX06 | 1 | 0.0 |
| | 2 | 0.0 |
| | 3 | 0.0 |
| | 4 | 0.0 |
| | 5 | 0.0 |
| | 6 | 0.0 |
| | 7 | 0.0 |
| | 8 | 0.0 |
| | 9 | 0.0 |
| | 10 | 0.0 |
| | 11 | 0.0 |
| | 12 | 0.0 |
| | 13 | 0.0 |
| | 14 | 0.0 |
| | 15 | 0.0 |
| | 16 | 5.0 |
| IX07 | 1 | 0.0 |
| | 2 | 0.0 |
| | 3 | 0.0 |
| | 4 | 0.0 |
| | 5 | 0.0 |
| | 6 | 0.0 |
| | 7 | 0.0 |
| | 8 | 0.0 |
| | 9 | 0.0 |
| | 10 | 0.0 |
| | 11 | 0.0 |

| Circuit No. | Pin No. | Voltage DC |
|---|---|---|
| IX07 | 12 | 0.0 |
| | 13 | 0.0 |
| | 14 | 0.0 |
| | 15 | 0.0 |
| | 16 | 5.0 |
| IX08 | 1 | 0.0 |
| | 2 | 5.0 |
| | 3 | 4.7 |
| | 4 | 0.0 |
| | 5 | 4.8 |
| | 6 | 0.0 |
| | 7 | 0.0 |
| | 8 | 5.0 |
| | 9 | 0.0 |
| | 10 | 4.8 |
| | 11 | 0.0 |
| | 12 | 0.0 |
| | 13 | 0.0 |
| | 14 | 5.0 |
| IX09 | 1 | 0.0 |
| | 2 | 5.0 |
| | 3 | 5.0 |
| | 4 | 5.0 |
| | 5 | 0.6 |
| | 6 | 0.0 |
| | 7 | 4.6 |
| | 8 | 0.0 |
| | 9 | 0.0 |
| | 10 | 0.0 |
| | 11 | 5.0 |
| | 12 | 4.4 |
| | 13 | 0.0 |
| | 14 | 0.0 |
| | 15 | 0.0 |
| | 16 | 5.0 |

| Circuit No. | Pin No. | Voltage DC |
|---|---|---|
| QX01 | E | 3.5 |
| | B | 4.2 |
| | C | 8.8 |
| QX02 | E | 2.9 |
| | B | 3.5 |
| | C | 8.8 |
| QX03 | E | 3.7 |
| | B | 4.3 |
| | C | 8.8 |
| QX04 | E | 3.6 |
| | B | 4.2 |
| | C | 8.8 |
| QX05 | E | 3.5 |
| | B | 4.2 |
| | C | 8.8 |
| QX06 | E | 3.7 |
| | B | 4.4 |
| | C | 8.8 |
| QX07 | E | 3.6 |
| | B | 4.2 |
| | C | 8.8 |
| QX08 | E | 4.9 |
| | B | 4.3 |
| | C | 0.0 |
| QX09 | E | 4.6 |
| | B | 4.0 |
| | C | 0.0 |
| QX10 | E | 5.0 |
| | B | 5.6 |
| | C | 8.8 |
| QX11 | E | 6.0 |
| | B | 6.6 |
| | C | 8.8 |
| QX12 | E | 6.2 |
| | B | 6.8 |
| | C | 8.8 |

| Circuit No. | Pin Name | Voltage DC |
|---|---|---|
| QX13 | E | 5.0 |
| | B | 4.4 |
| | C | 0.0 |
| QX14 | E | 4.8 |
| | B | 4.3 |
| | C | 0.0 |
| QX15 | E | 4.8 |
| | B | 4.2 |
| | C | 0.0 |
| QX16 | E | 2.6 |
| | B | 3.2 |
| | C | 4.9 |
| QX17 | E | 2.5 |
| | B | 3.2 |
| | C | 4.9 |
| QX18 | E | 2.9 |
| | B | 2.3 |
| | C | 0.0 |
| QX19 | E | 3.2 |
| | B | 2.6 |
| | C | 0.0 |
| QX20 | E | 3.2 |
| | B | 2.5 |
| | C | 0.0 |
| QX21 | E | 2.9 |
| | B | 2.3 |
| | C | 0.0 |
| QX22 | E | 3.2 |
| | B | 2.6 |
| | C | 0.0 |
| QX23 | E | 3.2 |
| | B | 2.5 |
| | C | 0.0 |
| QX24 | E | 5.2 |
| | B | 4.6 |
| | C | 0.0 |
| QX36 | E | 0.5 |
| | B | 1.1 |
| | C | 9.2 |
| QX37 | E | 0.0 |
| | B | 0.6 |
| | C | 5.5 |
| QX40 | E | 0.0 |
| | B | 0.0 |
| | C | 0.0 |
| QX41 | E | 0.0 |
| | B | 0.0 |
| | C | 0.0 |

# DC Voltages

CPT

| Circuit No. | Pin Name | Voltage DC |
|---|---|---|
| Q801 | E | 3.0 |
| | B | 3.5 |
| | C | 8.3 |
| Q802 | E | 8.3 |
| | B | 8.6 |
| | C | 0.0 |
| Q803 | E | 8.6 |
| | B | 9.1 |
| | C | 168.0 |
| Q804 | E | 169.0 |
| | B | 168.4 |
| | C | 1.1 |
| Q805 | E | 169.0 |
| | B | 170.0 |
| | C | 225.0 |
| Q812 | E | 1.0 |
| | B | 1.7 |
| | C | 1.1 |
| Q851 | E | 3.1 |
| | B | 3.5 |
| | C | 8.3 |
| Q852 | E | 8.3 |
| | B | 8.6 |
| | C | 9.1 |

| Circuit No. | Pin Name | Voltage DC |
|---|---|---|
| Q853 | E | 8.6 |
| | B | 9.1 |
| | C | 156.4 |
| Q854 | E | 157.0 |
| | B | 156.0 |
| | C | 1.1 |
| Q855 | E | 157.0 |
| | B | 157.0 |
| | C | 224.9 |
| Q858 | E | 2.5 |
| | B | 1.8 |
| | C | 0.0 |
| Q859 | E | 1.8 |
| | B | 2.5 |
| | C | 9.1 |
| Q862 | E | 1.1 |
| | B | 1.8 |
| | C | 1.1 |
| Q8A1 | E | 3.2 |
| | B | 3.8 |
| | C | 8.3 |
| Q8A2 | E | 8.2 |
| | B | 8.6 |
| | C | 9.1 |
| Q8A3 | E | 8.6 |
| | B | 9.1 |
| | C | 150.0 |
| Q8A4 | E | 151.6 |
| | B | 150.8 |
| | C | 1.1 |
| Q8A5 | E | 152.0 |
| | B | 152.0 |
| | C | 224.0 |
| Q8A6 | E | 3.0 |
| | B | 3.0 |
| | C | 0.0 |
| Q8A7 | E | 3.0 |
| | B | 3.7 |
| | C | 9.1 |
| Q8C1 | E | 0.0 |
| | B | 0.0 |
| | C | 9.0 |
| Q8C2 | E | 1.1 |
| | B | 0.0 |
| | C | 1.1 |

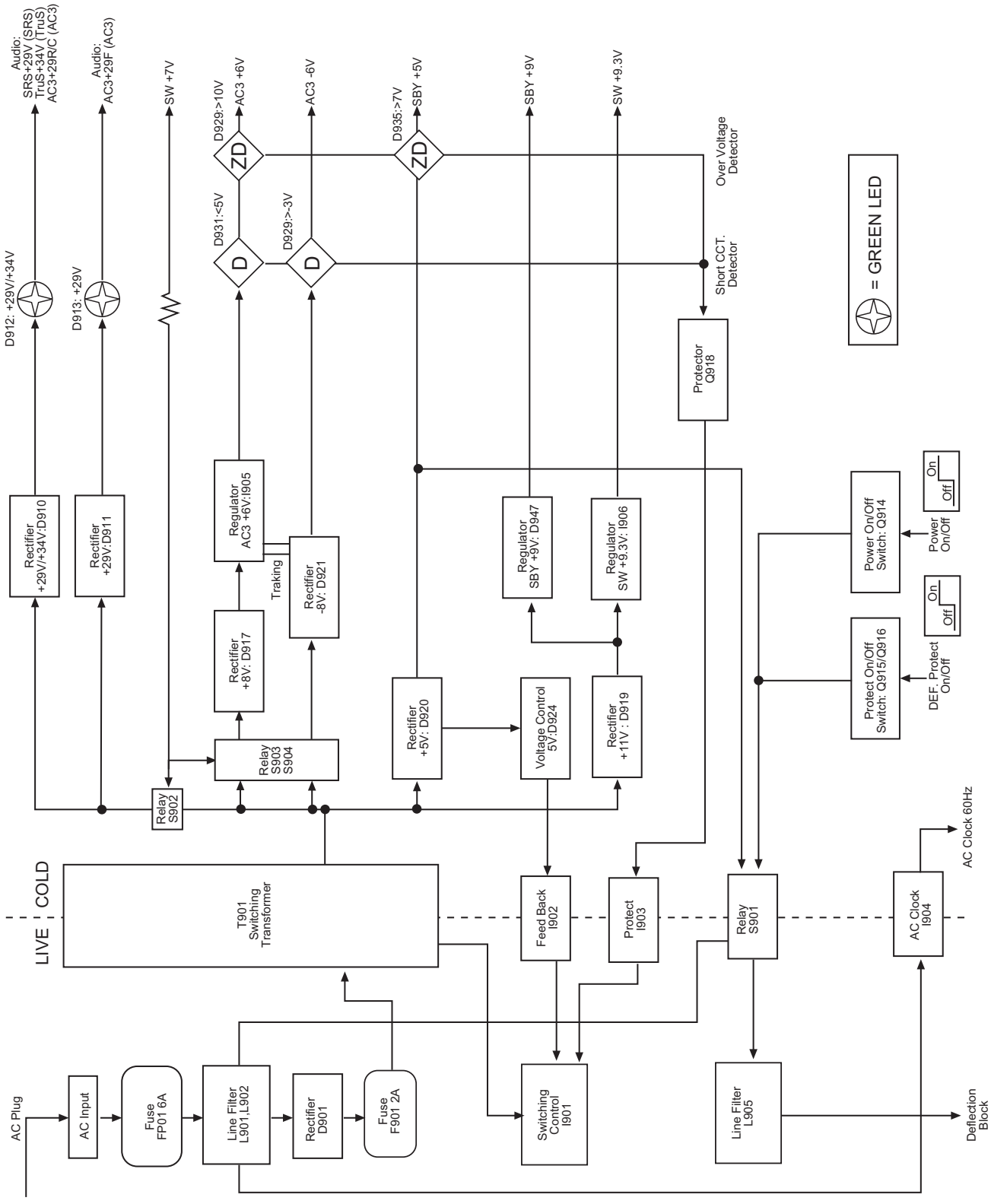
Power Supply

| Circuit No. | Pin Name | Voltage DC |
|---|---|---|
| Q901 | E | 16.9 |
| | B | 16.9 |
| | C | 0.0 |
| Q902 | E | 0.0 |
| | B | 0.0 |
| | C | 16.9 |
| Q914 | E | 0.0 |
| | B | 0.9 |
| | C | 0.5 |
| Q915 | E | 1.9 |
| | B | 1.9 |
| | C | 0.1 |
| Q916 | E | 0.0 |
| | B | 0.1 |
| | C | 1.9 |
| Q917 | E | 2.2 |
| | B | 2.5 |
| | C | 5.2 |
| Q918 | E | 0.0 |
| | B | 0.0 |
| | C | 4.3 |
| Q919 | E | 2.2 |
| | B | 2.2 |
| | C | 0.1 |
| Q920 | E | 2.9 |
| | B | 3.5 |
| | C | 17.5 |

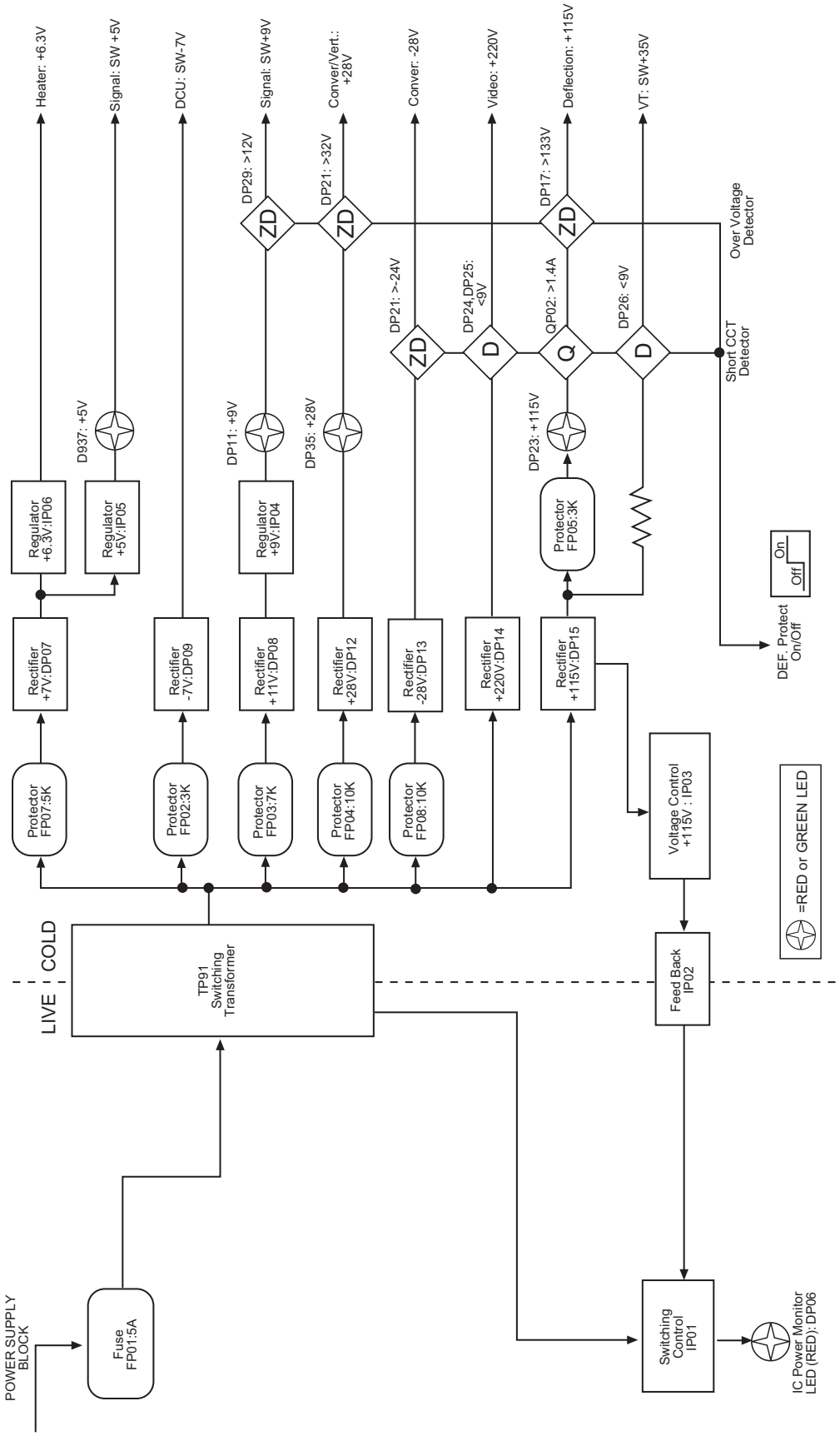
Control

| Circuit No. | Pin Name | Voltage DC |
|---|---|---|
| QM01 | E | 0.0 |
| | B | 0.8 |
| | C | 0.0 |
| QM03 | E | 1.8 |
| | B | 2.5 |
| | C | 9.0 |
| QM04 | E | 1.9 |
| | B | 2.5 |
| | C | 8.9 |
| QM05 | E | 0.0 |
| | B | 0.0 |
| | C | 5.2 |

## DP1X Protection Circuit Block Diagram (Power Supply)



## DP1X Protection Circuit Block Diagram (Deflection Supply)



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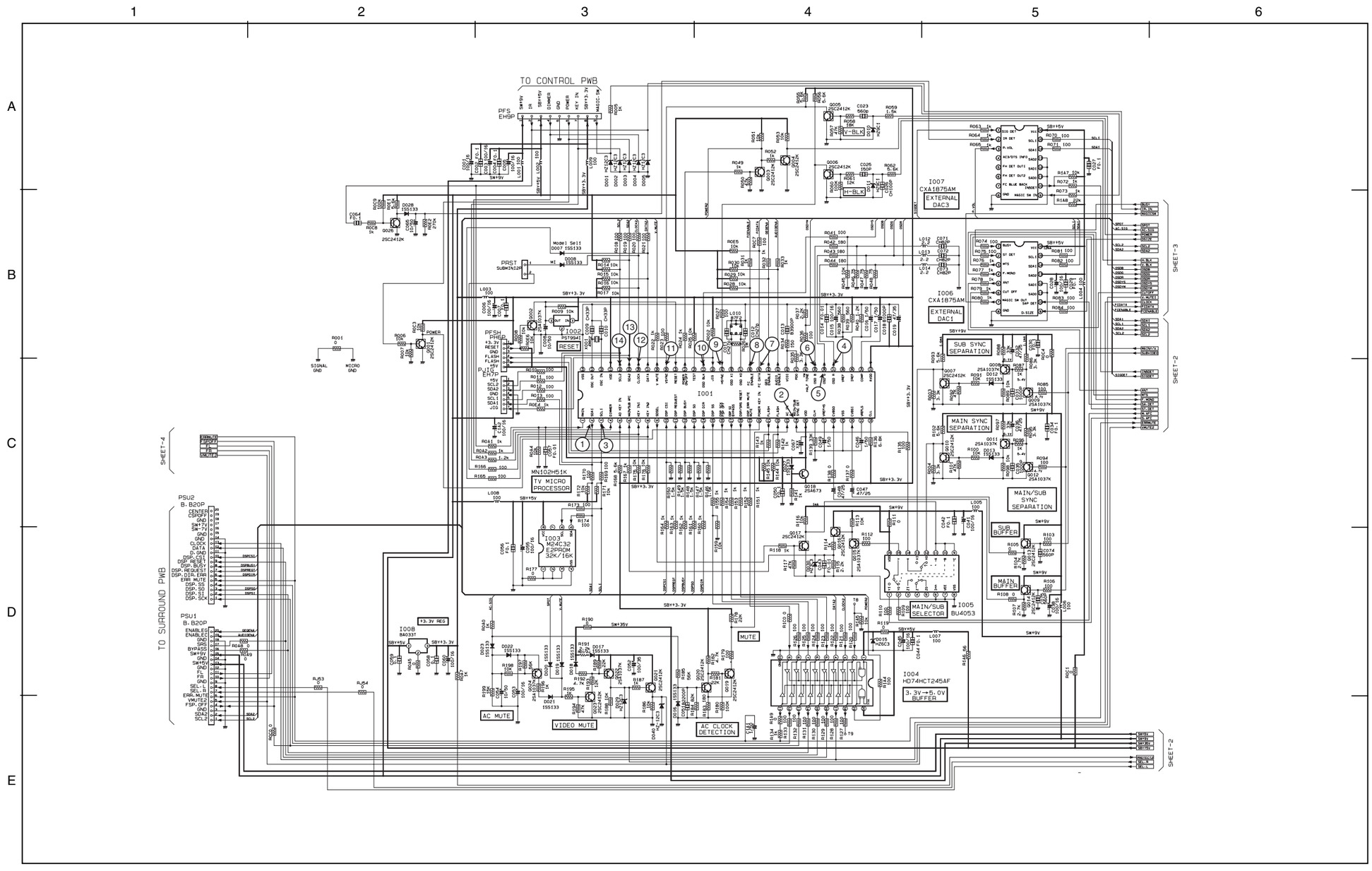
# CIRCUIT SCHEMATIC DIAGRAM

## DP14G

SIGNAL 1/4
DP14G Only




- All DC voltage to be measured with a tester (100kΩ/V). Voltage taken on a complex color bar signal including a standard color bar signal.
- Since this is a basic circuit diagram, the value of the parts is subject to be altered for improvement.

SIGNAL 1/4 DP14G Only

HOME

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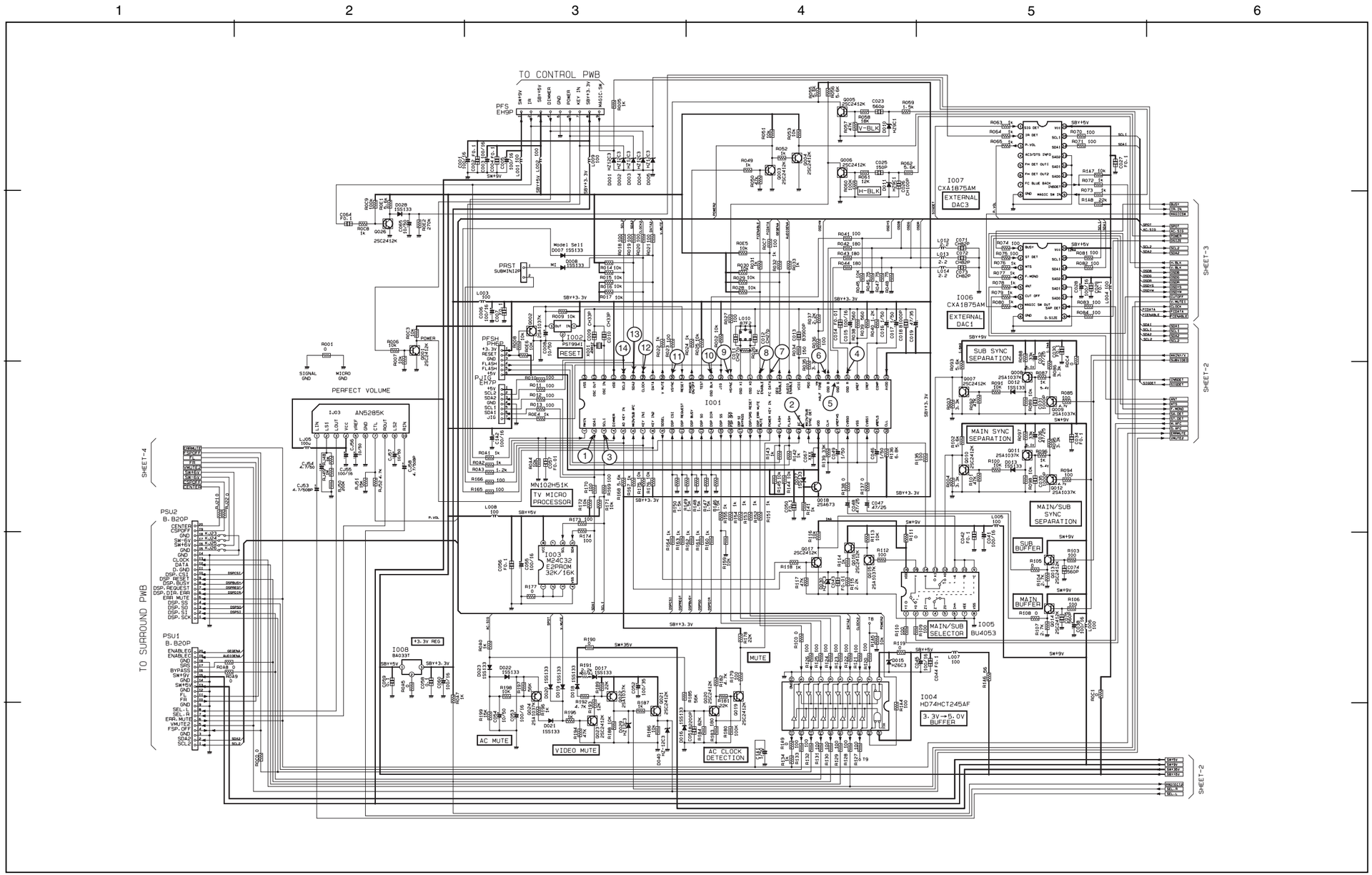
# CIRCUIT SCHEMATIC DIAGRAM

SIGNAL 1/4
DP17 Only

## DP17




- All DC voltage to be measured with a tester (100kΩ/V). Voltage taken on a complex color bar signal including a standard color bar signal.
- Since this is a basic circuit diagram, the value of the parts is subject to be altered for improvement.

SIGNAL 1/4 DP17 Only

HOME

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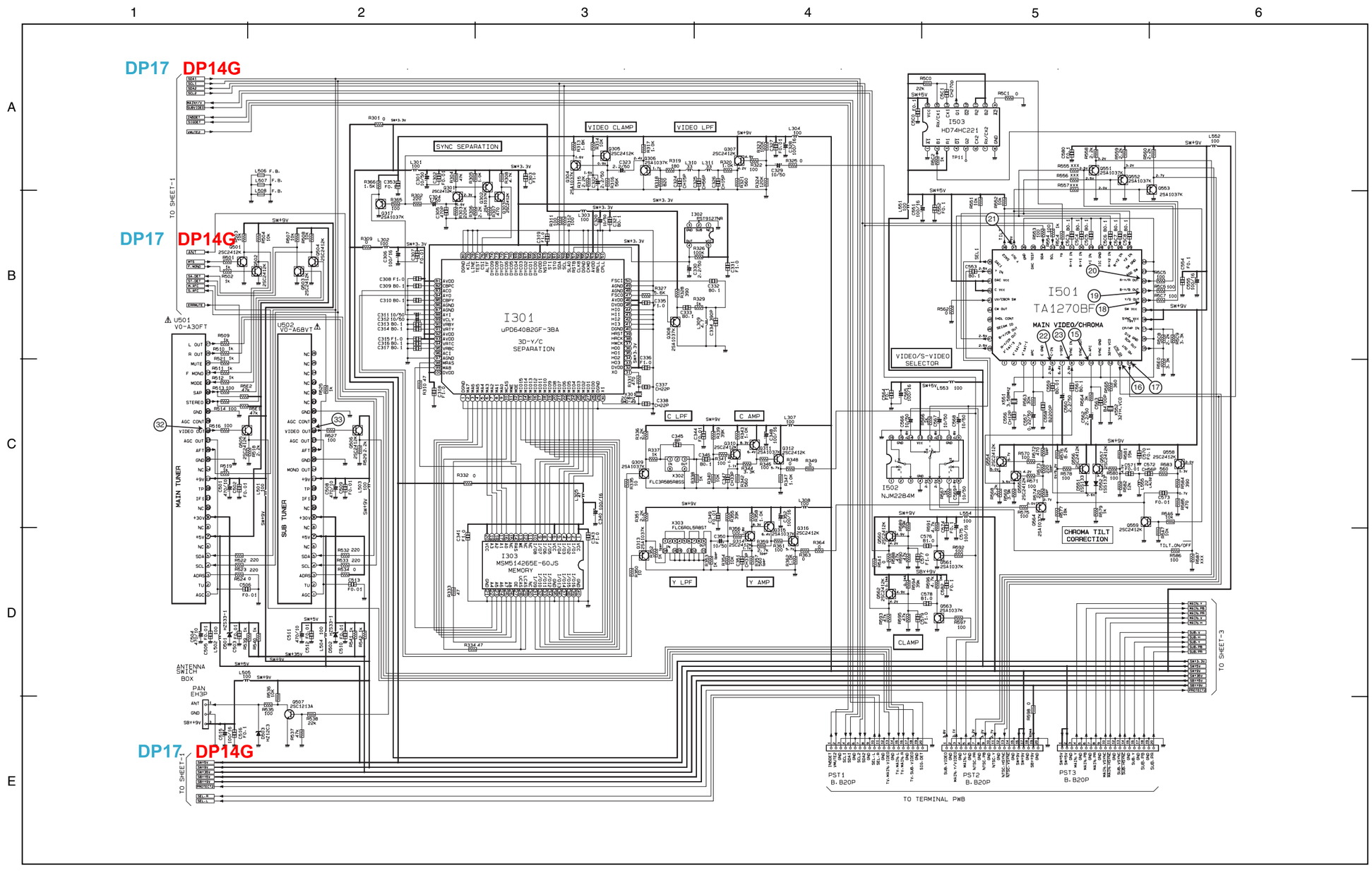
# CIRCUIT SCHEMATIC DIAGRAM

SIGNAL 2/4




- All DC voltage to be measured with a tester (100kΩ/V). Voltage taken on a complex color bar signal including a standard color bar signal.
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SIGNAL 2/4

HOME

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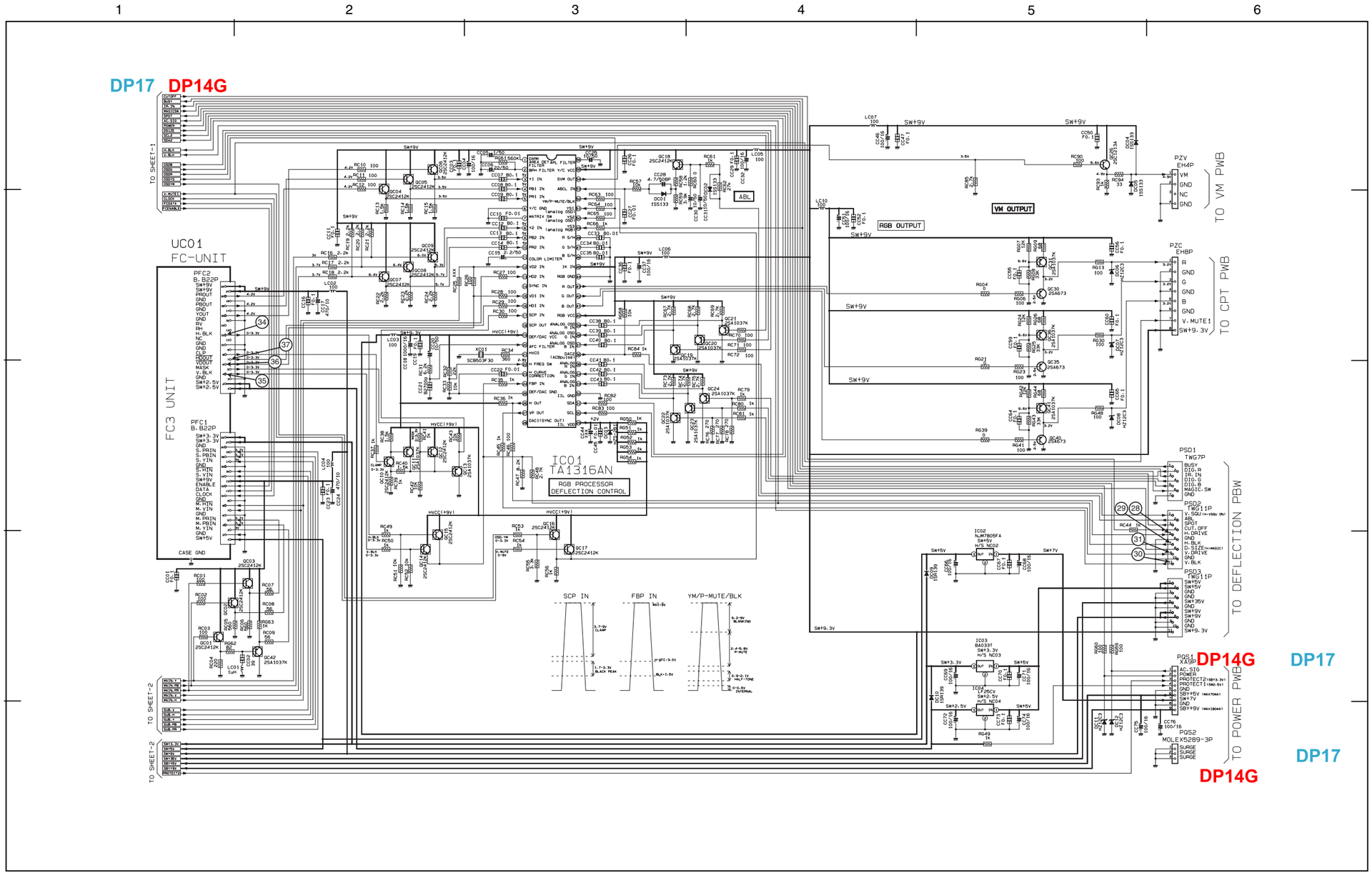
# CIRCUIT SCHEMATIC DIAGRAM

SIGNAL 3/4




- All DC voltage to be measured with a tester (100kΩ/V). Voltage taken on a complex color bar signal including a standard color bar signal.
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SIGNAL 3/4

HOME

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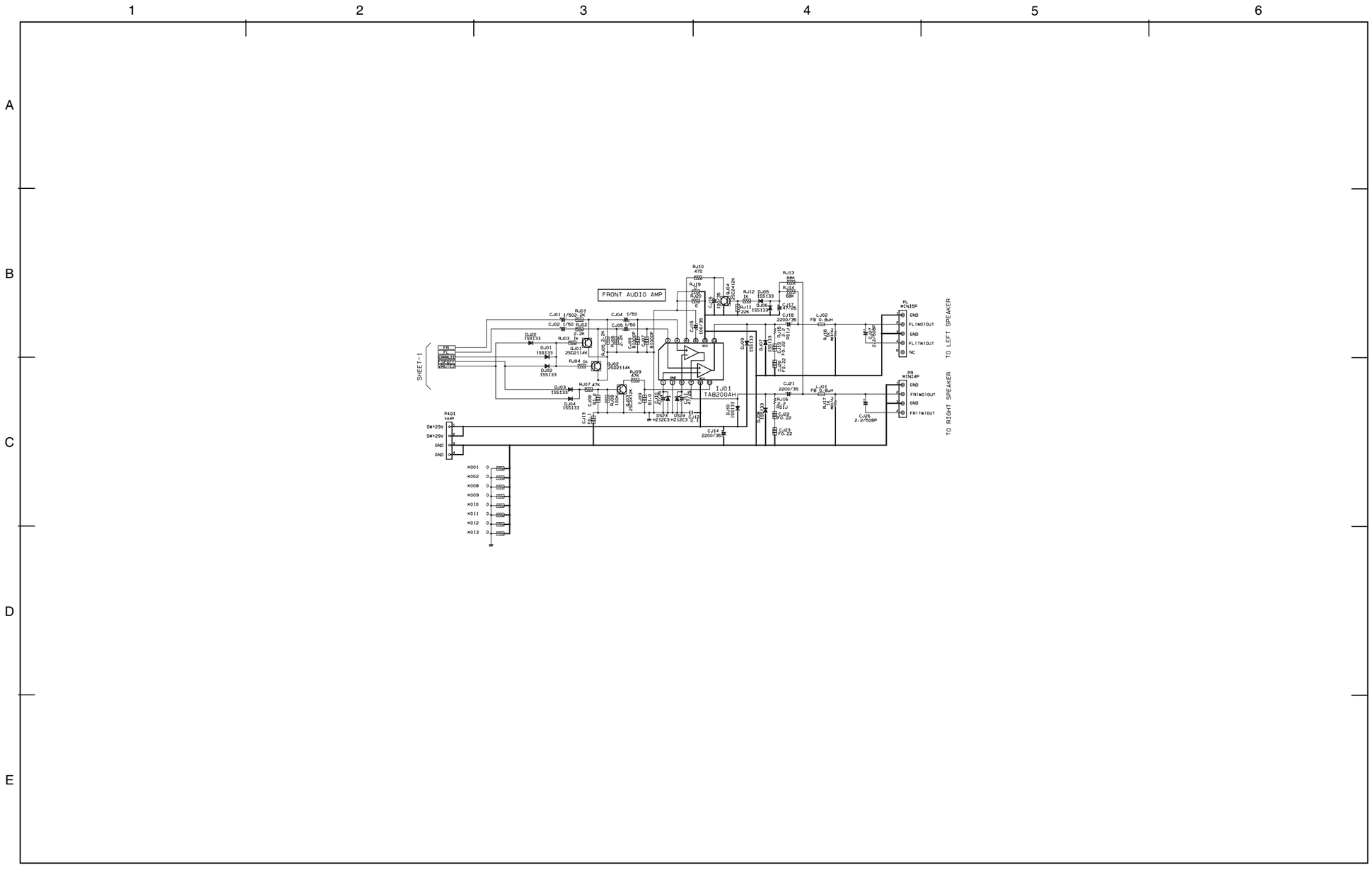
# CIRCUIT SCHEMATIC DIAGRAM

## DP14G

SIGNAL 4/4
DP14G Only




- All DC voltage to be measured with a tester (100kΩ/V). Voltage taken on a complex color bar signal including a standard color bar signal.
- Since this is a basic circuit diagram, the value of the parts is subject to be altered for improvement.

Signal 4/4 DP14G Only

HOME

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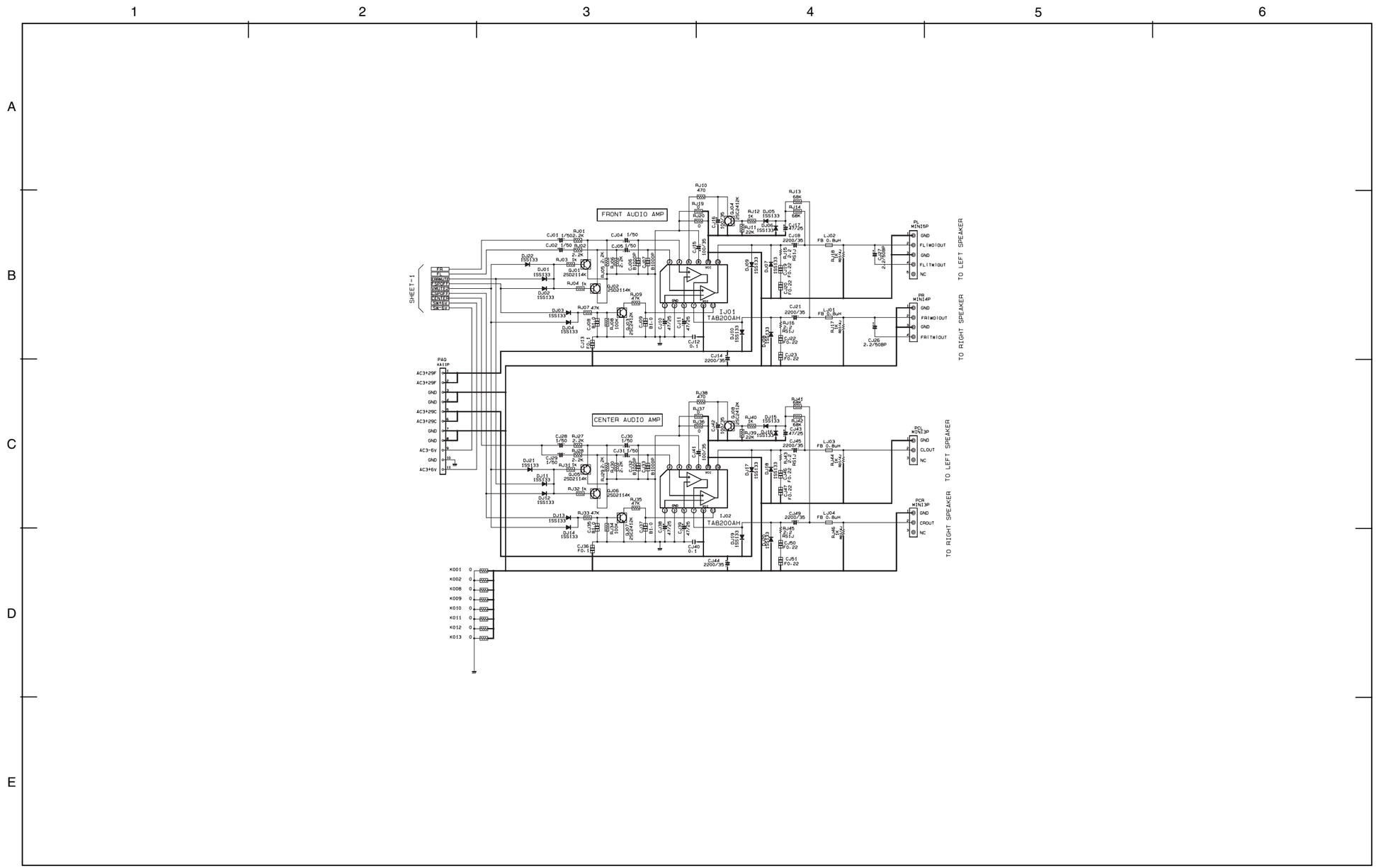
# CIRCUIT SCHEMATIC DIAGRAM

## DP17

SIGNAL 4/4
DP17 Only




- All DC voltage to be measured with a tester (100kΩ/V). Voltage taken on a complex color bar signal including a standard color bar signal.
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Signal 4/4 DP17 Only

HOME

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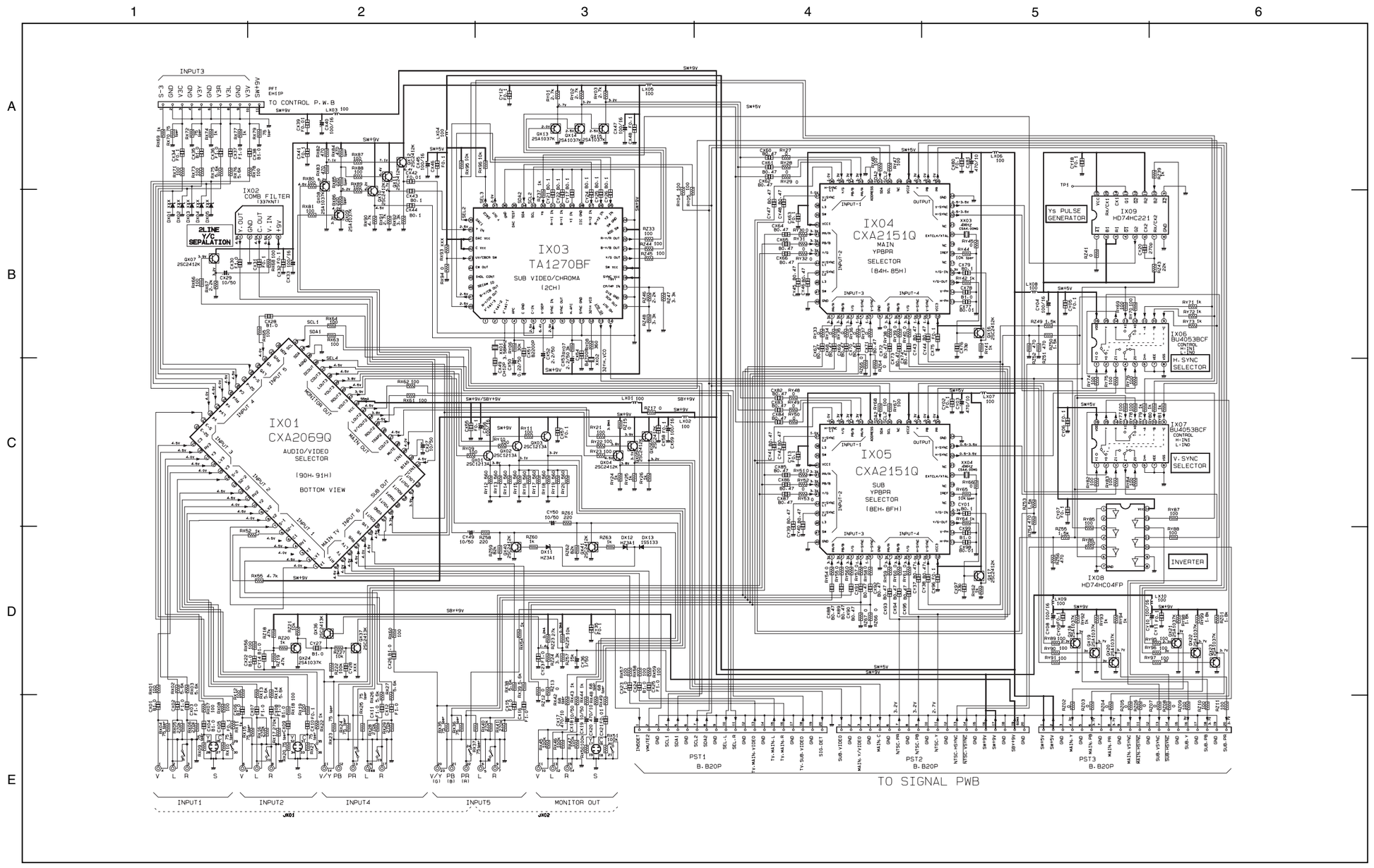
# CIRCUIT SCHEMATIC DIAGRAM




- All DC voltage to be measured with a tester (100kΩ/V). Voltage taken on a complex color bar signal including a standard color bar signal.
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Terminal

HOME

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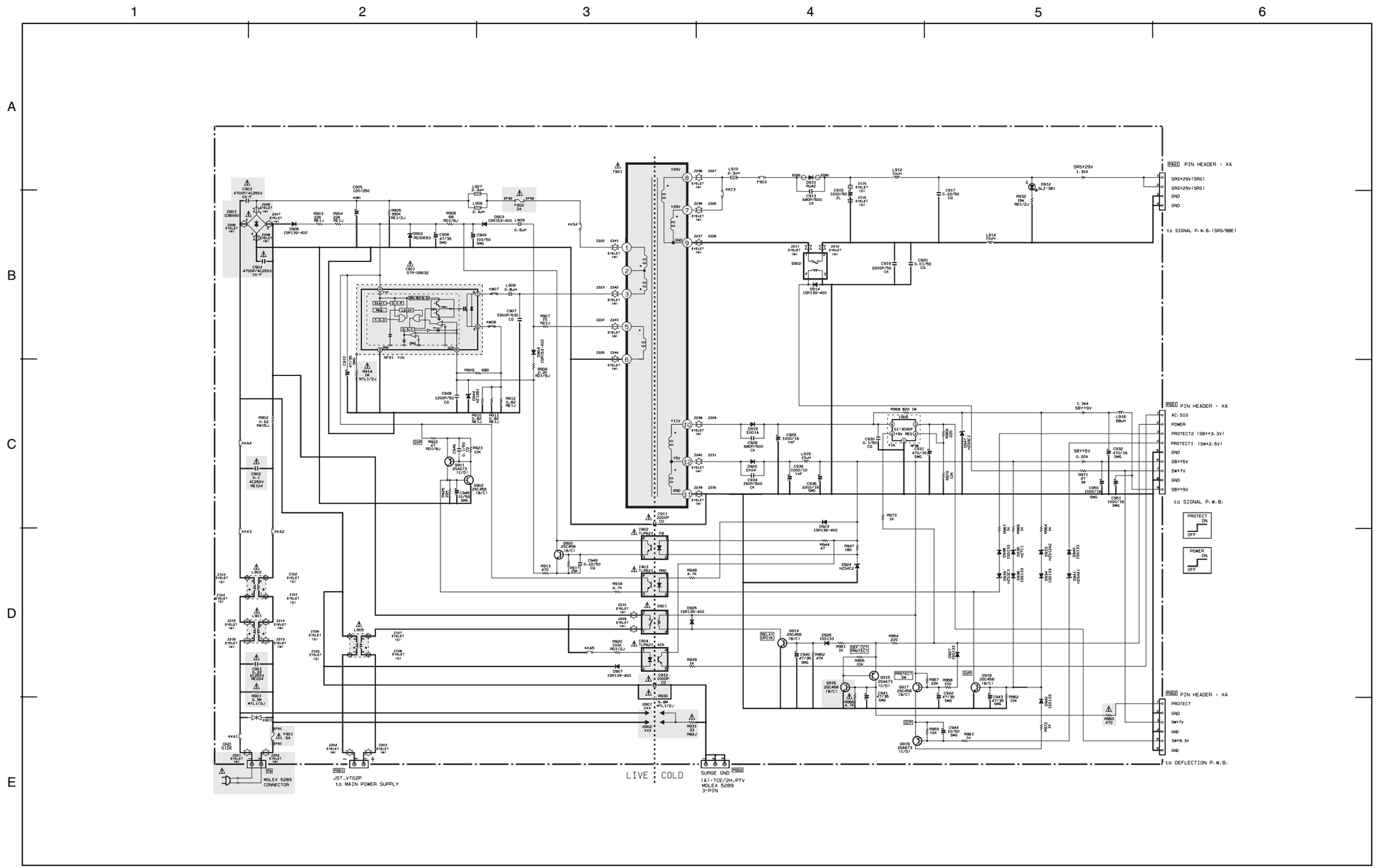
# CIRCUIT SCHEMATIC DIAGRAM

## DP14G

POWER SUPPLY
DP14G Only




- All DC voltage to be measured with a tester (100kΩ/V). Voltage taken on a complex color bar signal including a standard color bar signal.
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Power Supply DP14G Only

HOME

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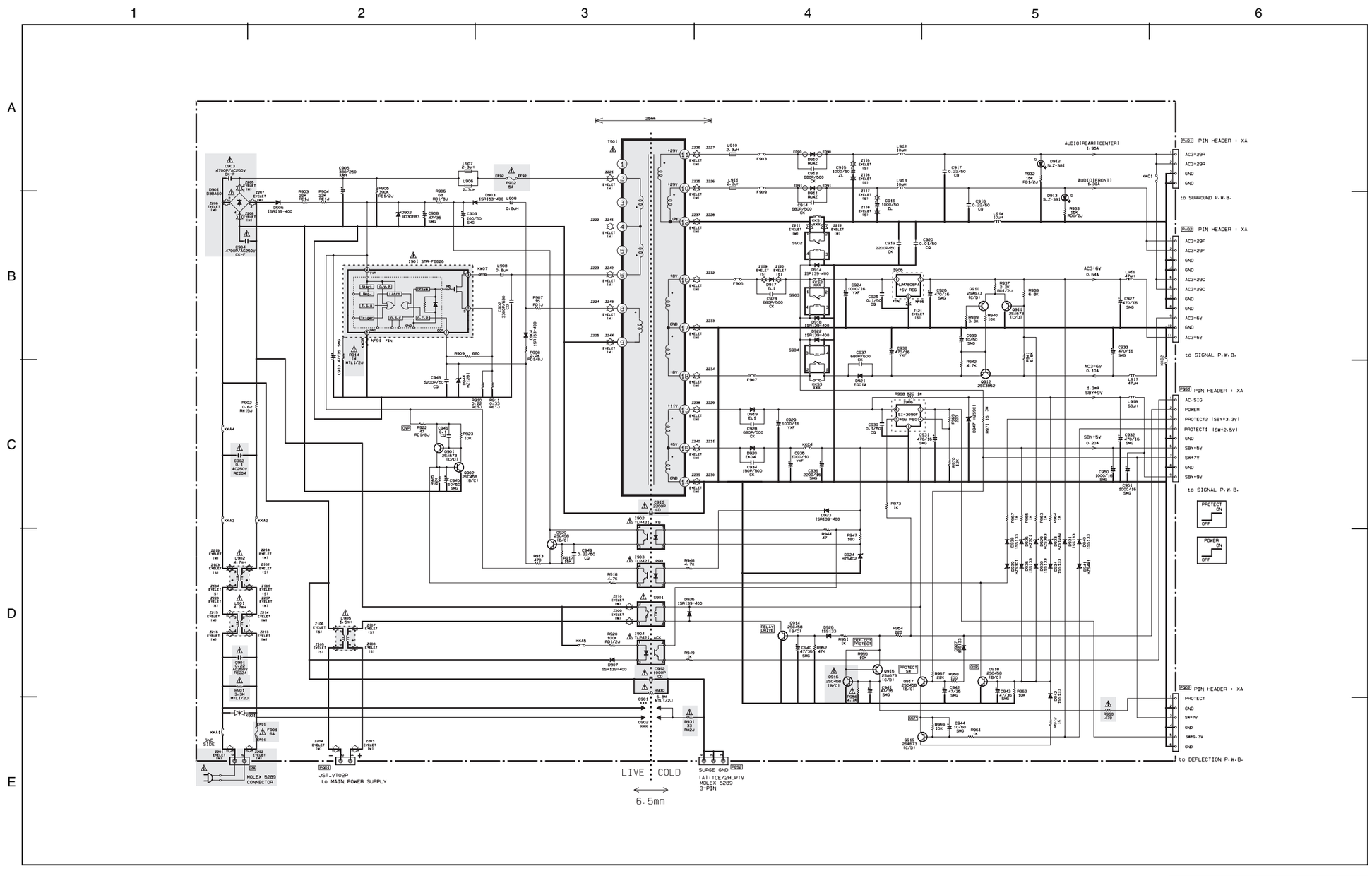
# CIRCUIT SCHEMATIC DIAGRAM



## DP17




- All DC voltage to be measured with a tester (100kΩ/V). Voltage taken on a complex color bar signal including a standard color bar signal.
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Power Supply DP17 Only

HOME

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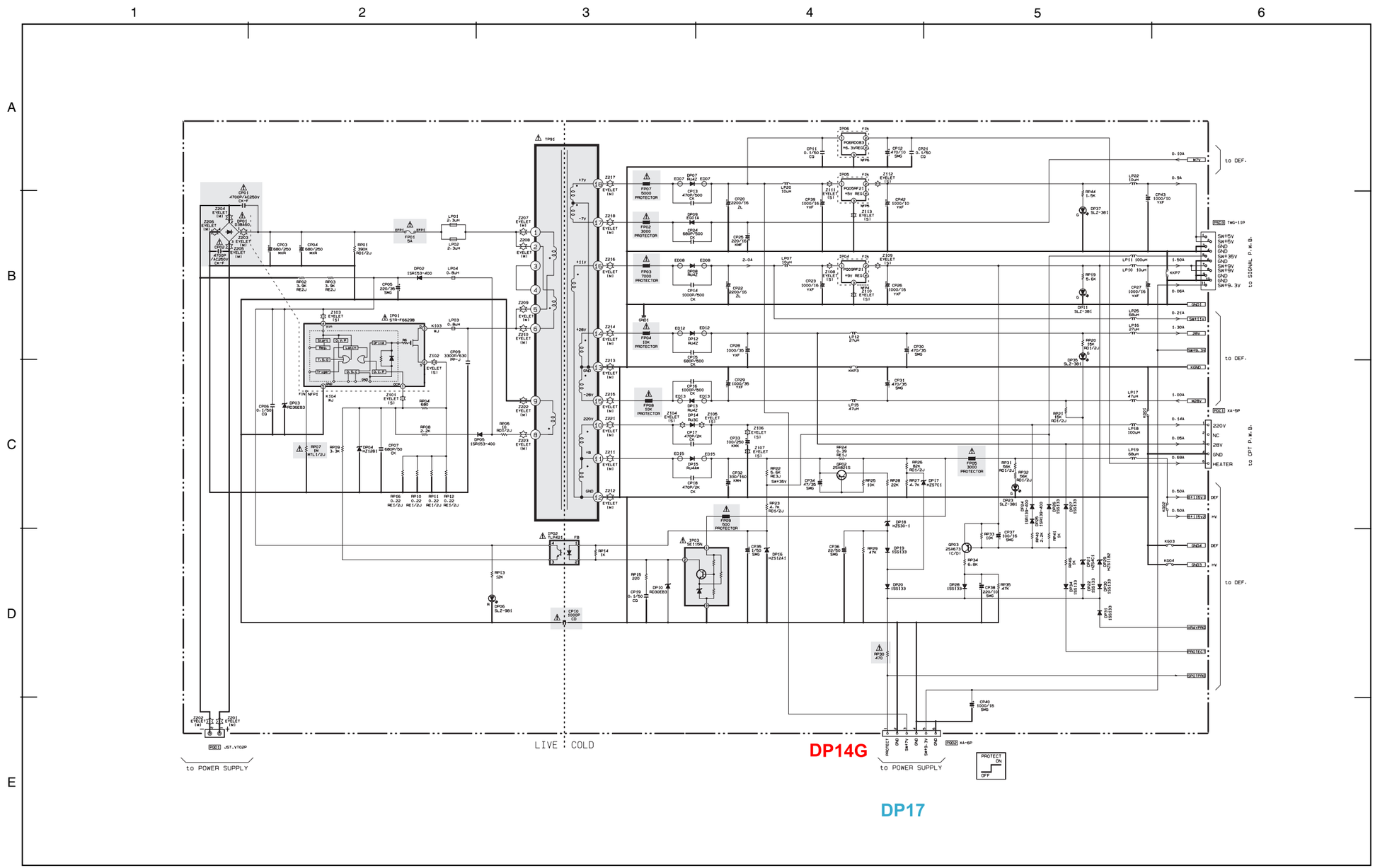
# CIRCUIT SCHEMATIC DIAGRAM






- All DC voltage to be measured with a tester (100kΩ/V). Voltage taken on a complex color bar signal including a standard color bar signal.
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Deflection Power

HOME

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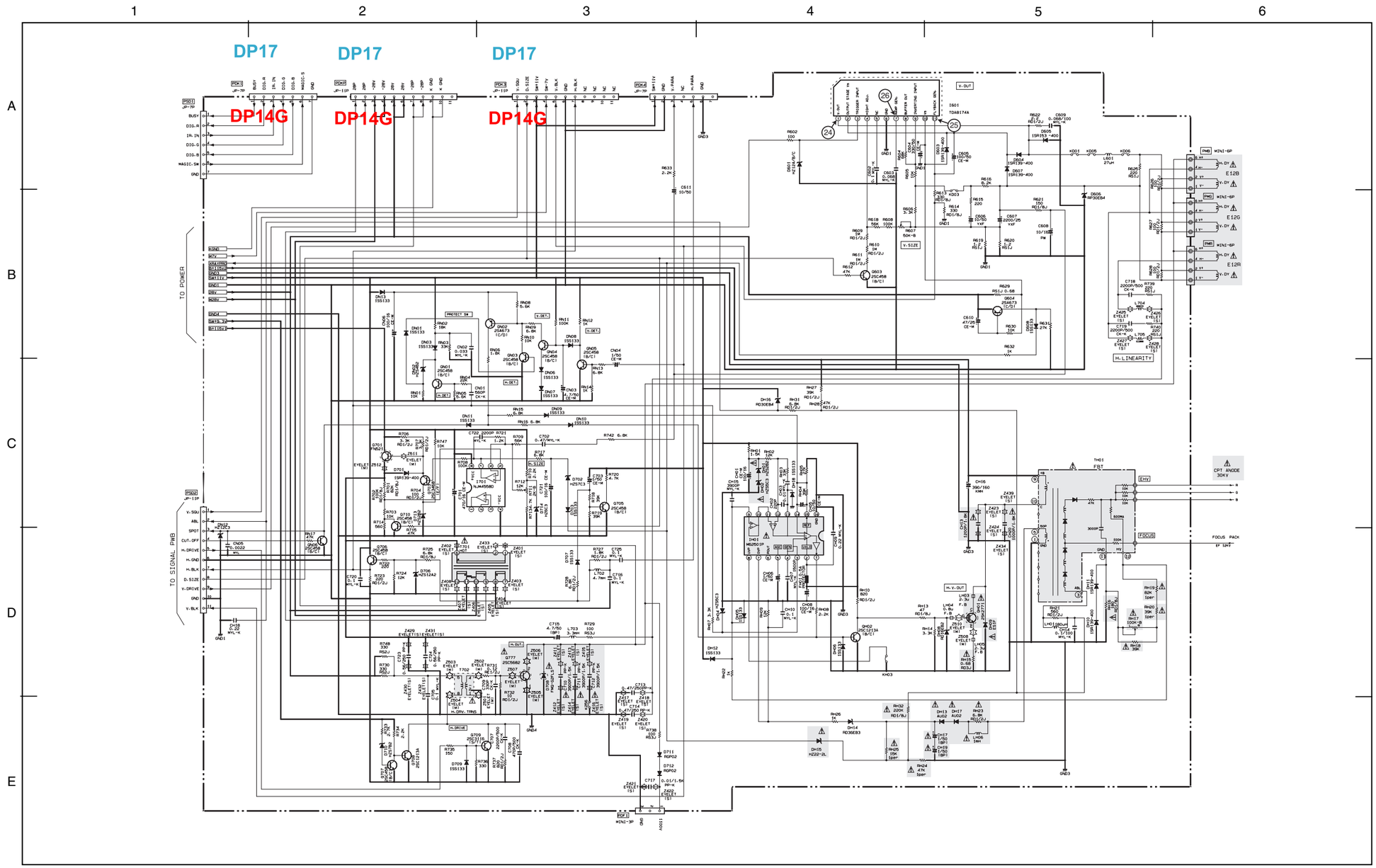
# CIRCUIT SCHEMATIC DIAGRAM




- All DC voltage to be measured with a tester (100kΩ/V). Voltage taken on a complex color bar signal including a standard color bar signal.
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HOME

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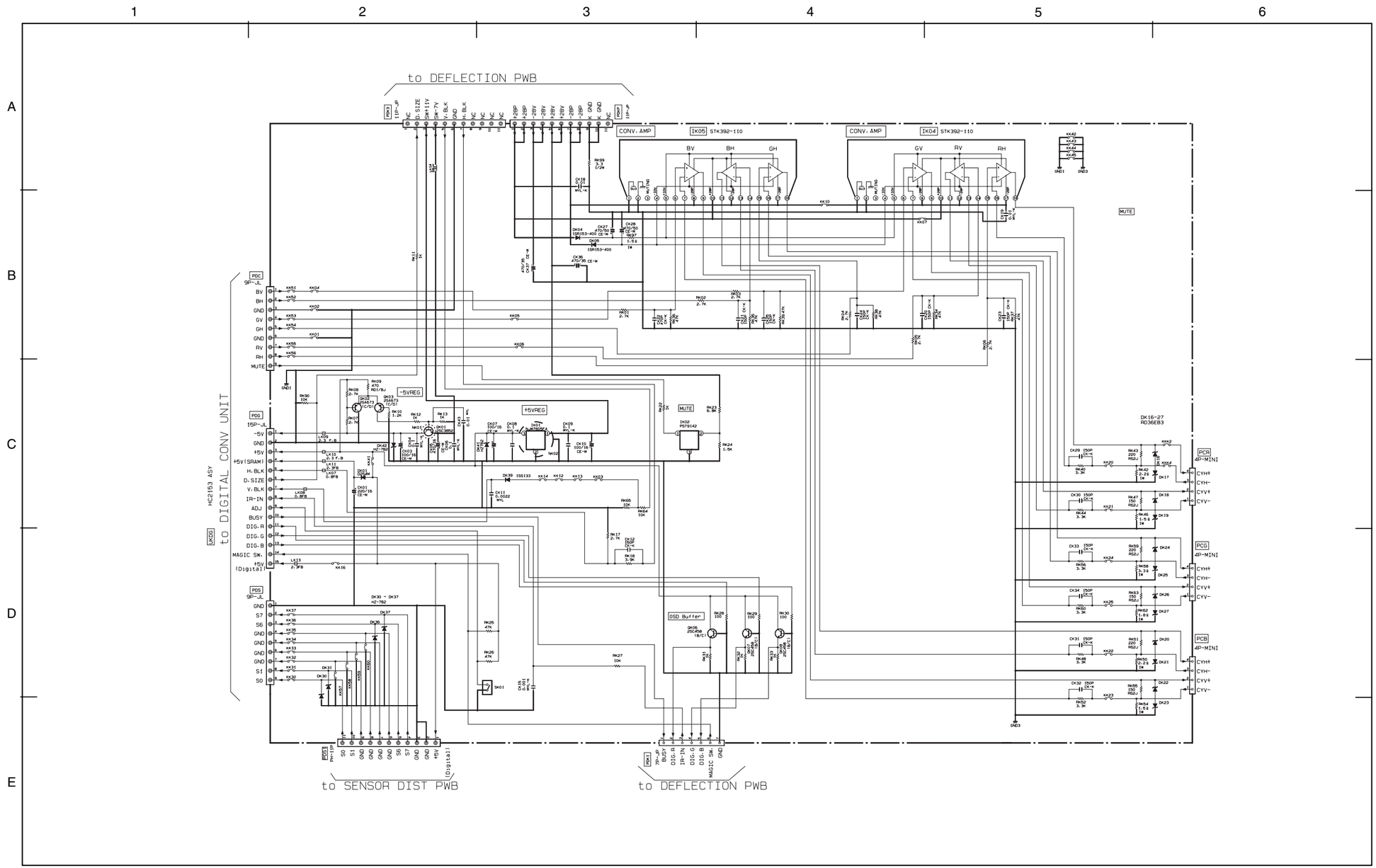
# CIRCUIT SCHEMATIC DIAGRAM

## DP14G

CONVERGENCE
DP14G Only




- All DC voltage to be measured with a tester (100kΩ/V). Voltage taken on a complex color bar signal including a standard color bar signal.
- Since this is a basic circuit diagram, the value of the parts is subject to be altered for improvement.

Convergence DP14G Only

HOME

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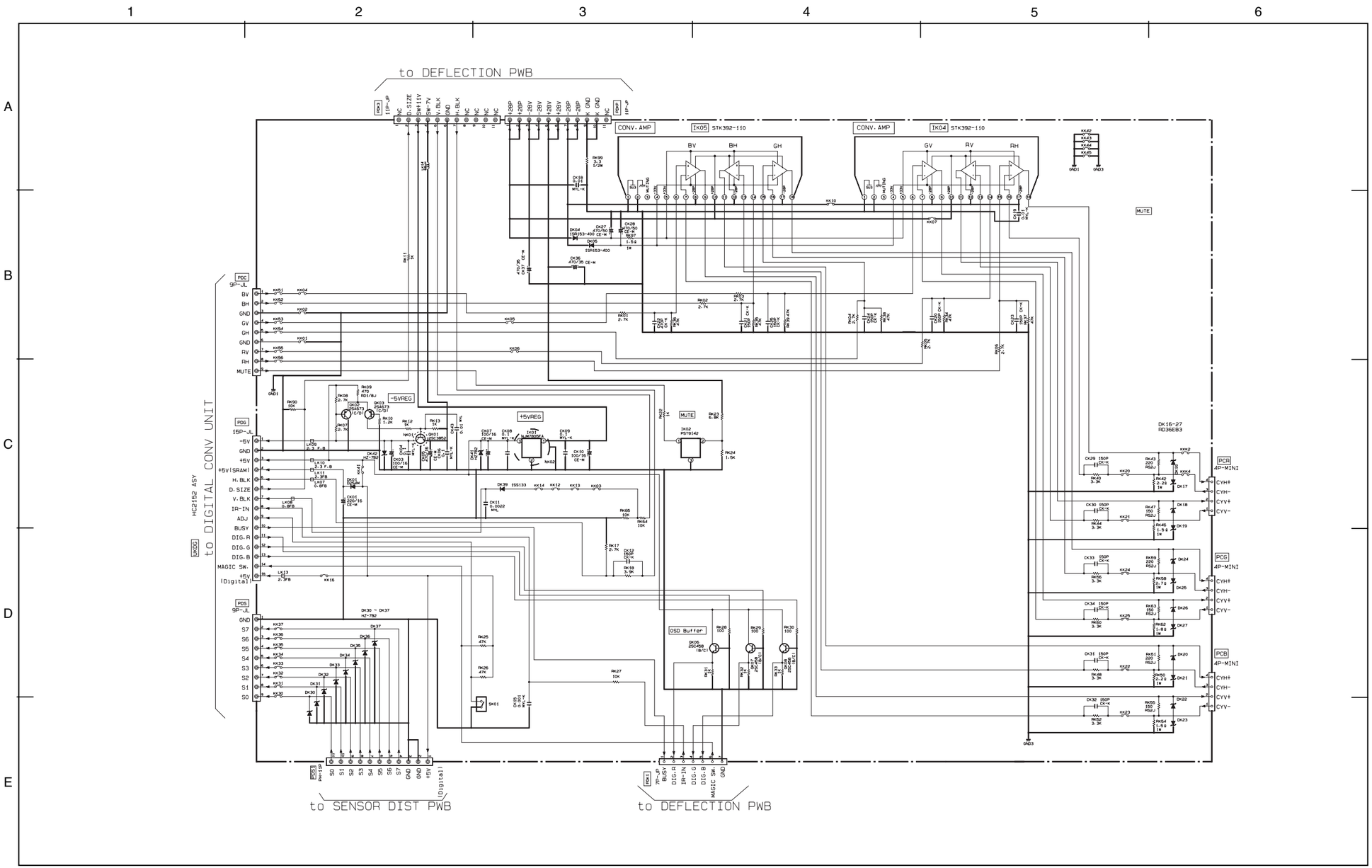
# CIRCUIT SCHEMATIC DIAGRAM

## DP17

CONVERGENCE
DP17 Only




- All DC voltage to be measured with a tester (100kΩ/V). Voltage taken on a complex color bar signal including a standard color bar signal.
- Since this is a basic circuit diagram, the value of the parts is subject to be altered for improvement.

Convergence DP17 Only

HOME

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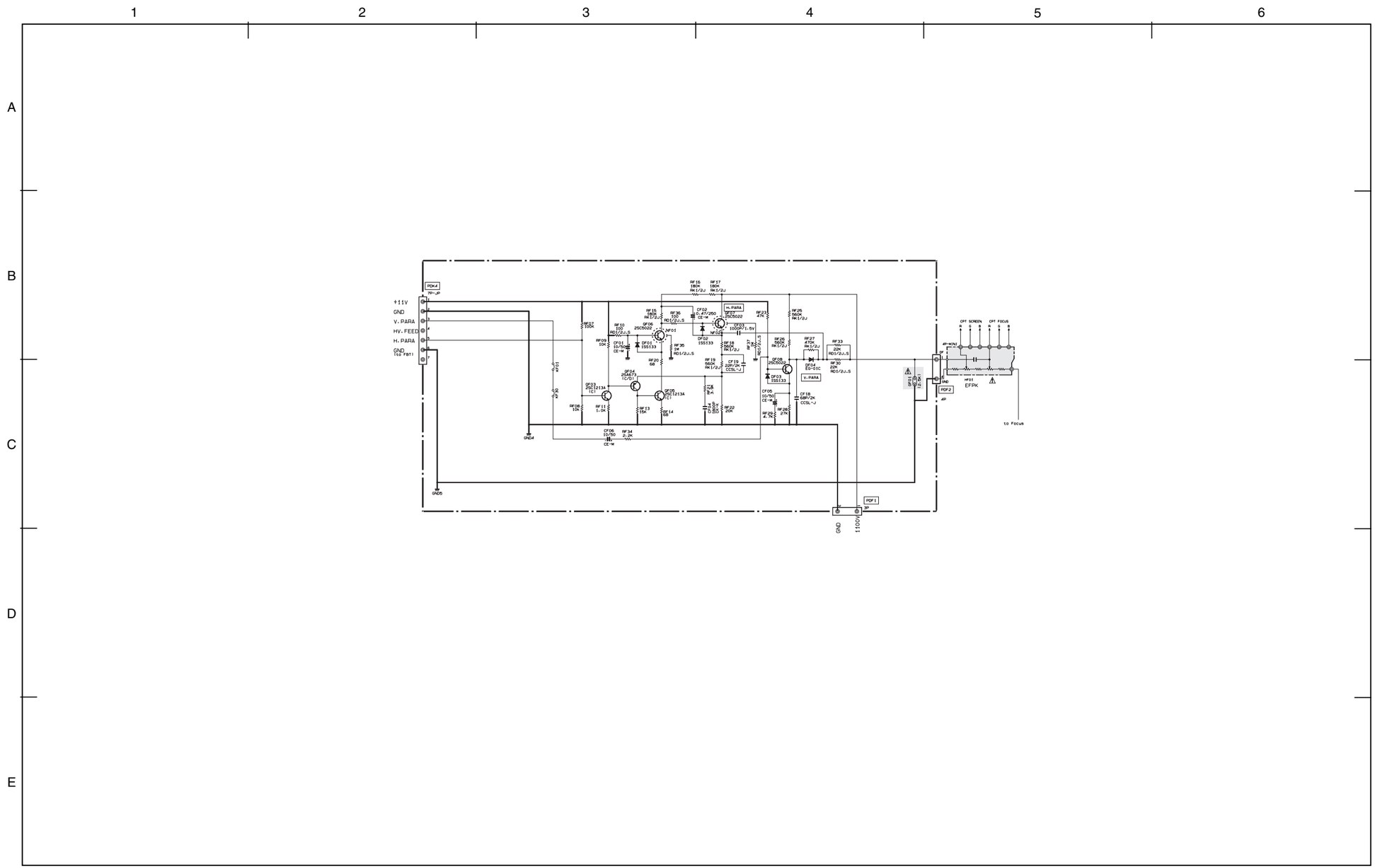
# CIRCUIT SCHEMATIC DIAGRAM




- All DC voltage to be measured with a tester (100kΩ/V). Voltage taken on a complex color bar signal including a standard color bar signal.
- Since this is a basic circuit diagram, the value of the parts is subject to be altered for improvement.

Focus

HOME

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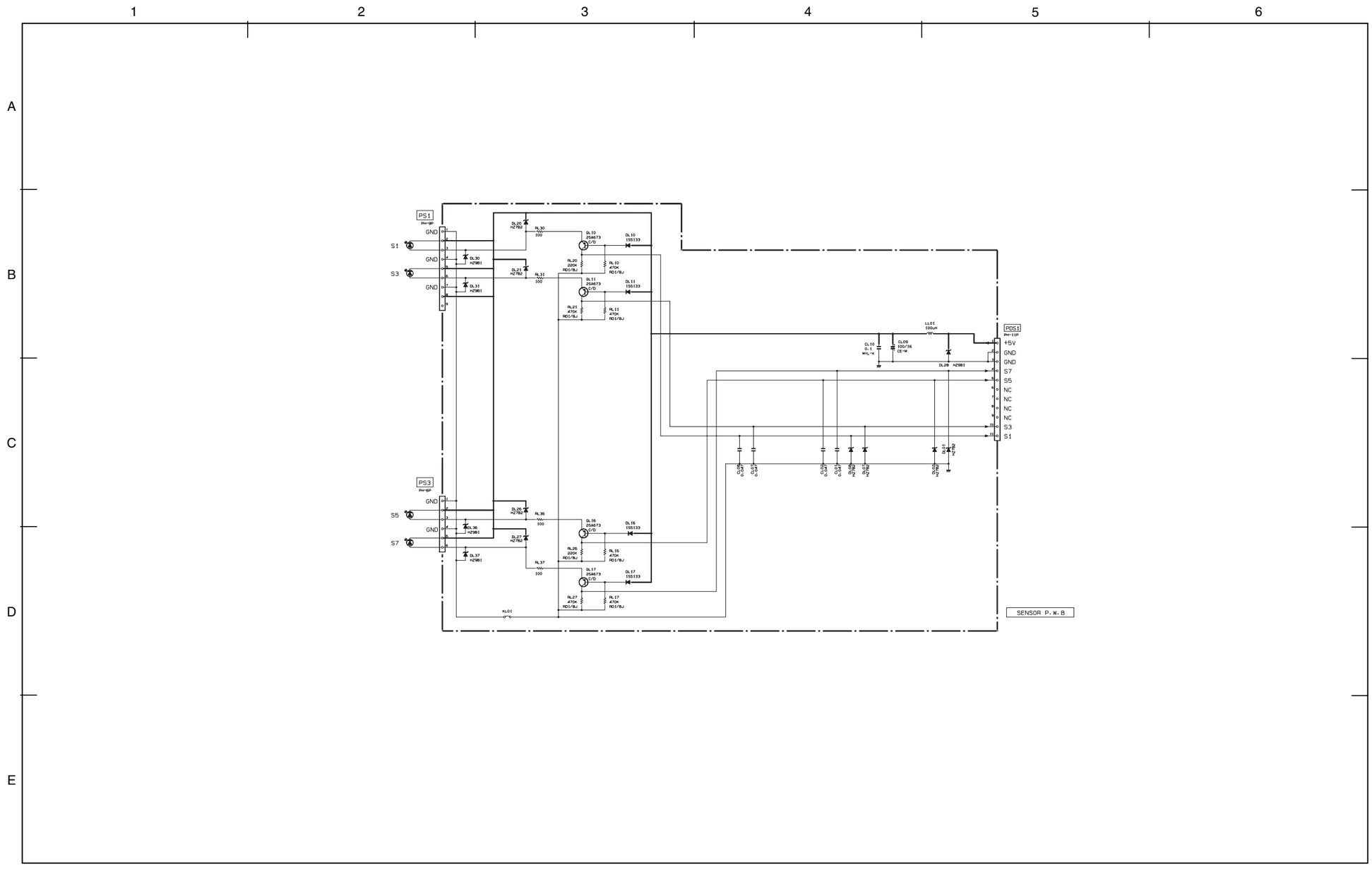
# CIRCUIT SCHEMATIC DIAGRAM

## DP14G

SENSOR
DP14G Only




- All DC voltage to be measured with a tester (100kΩ/V). Voltage taken on a complex color bar signal including a standard color bar signal.
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Sensor DP14G Only

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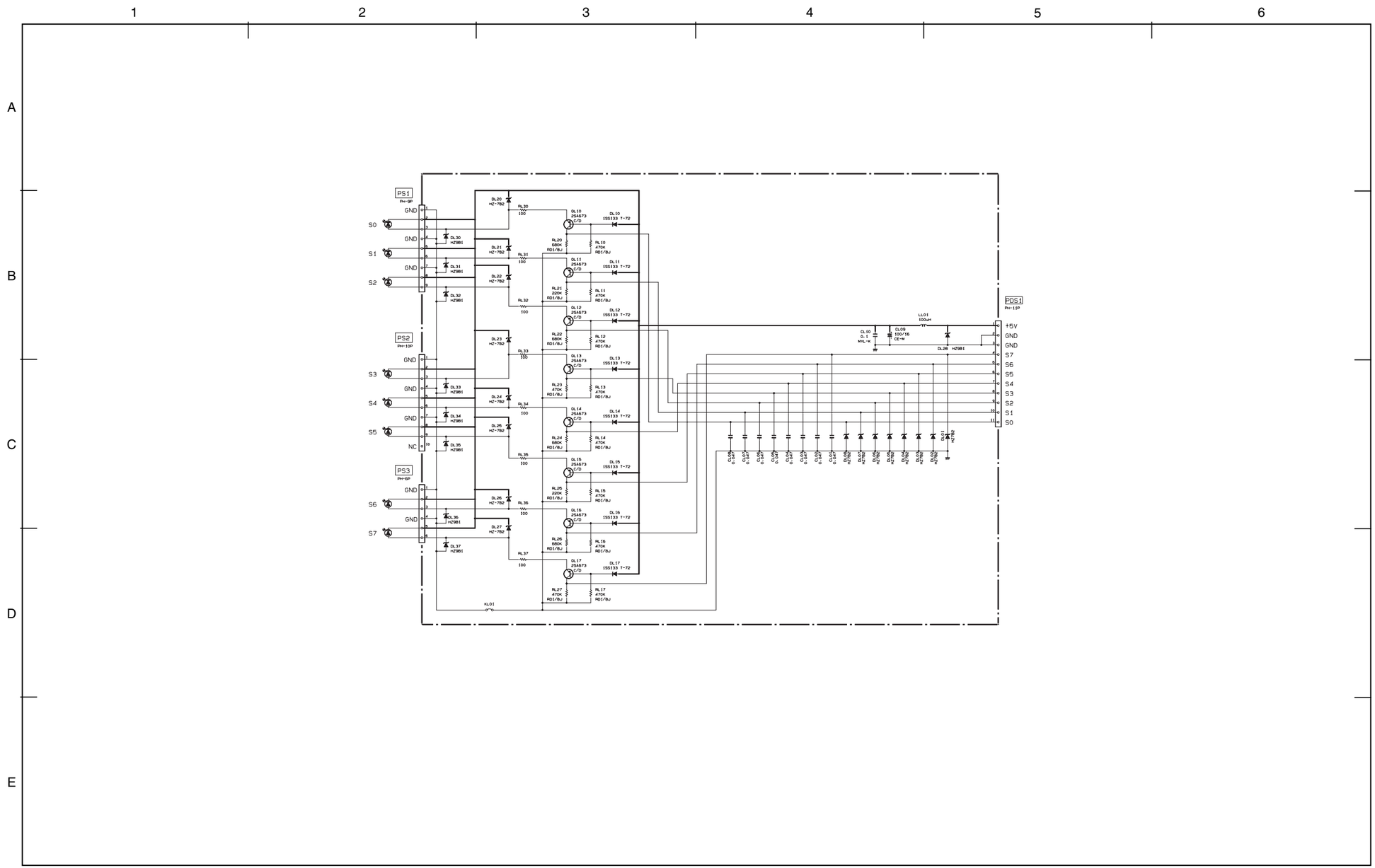
# CIRCUIT SCHEMATIC DIAGRAM

## DP17

SENSOR
DP17 Only




- All DC voltage to be measured with a tester (100kΩ/V). Voltage taken on a complex color bar signal including a standard color bar signal.
- Since this is a basic circuit diagram, the value of the parts is subject to be altered for improvement.

Sensor DP17 Only

HOME

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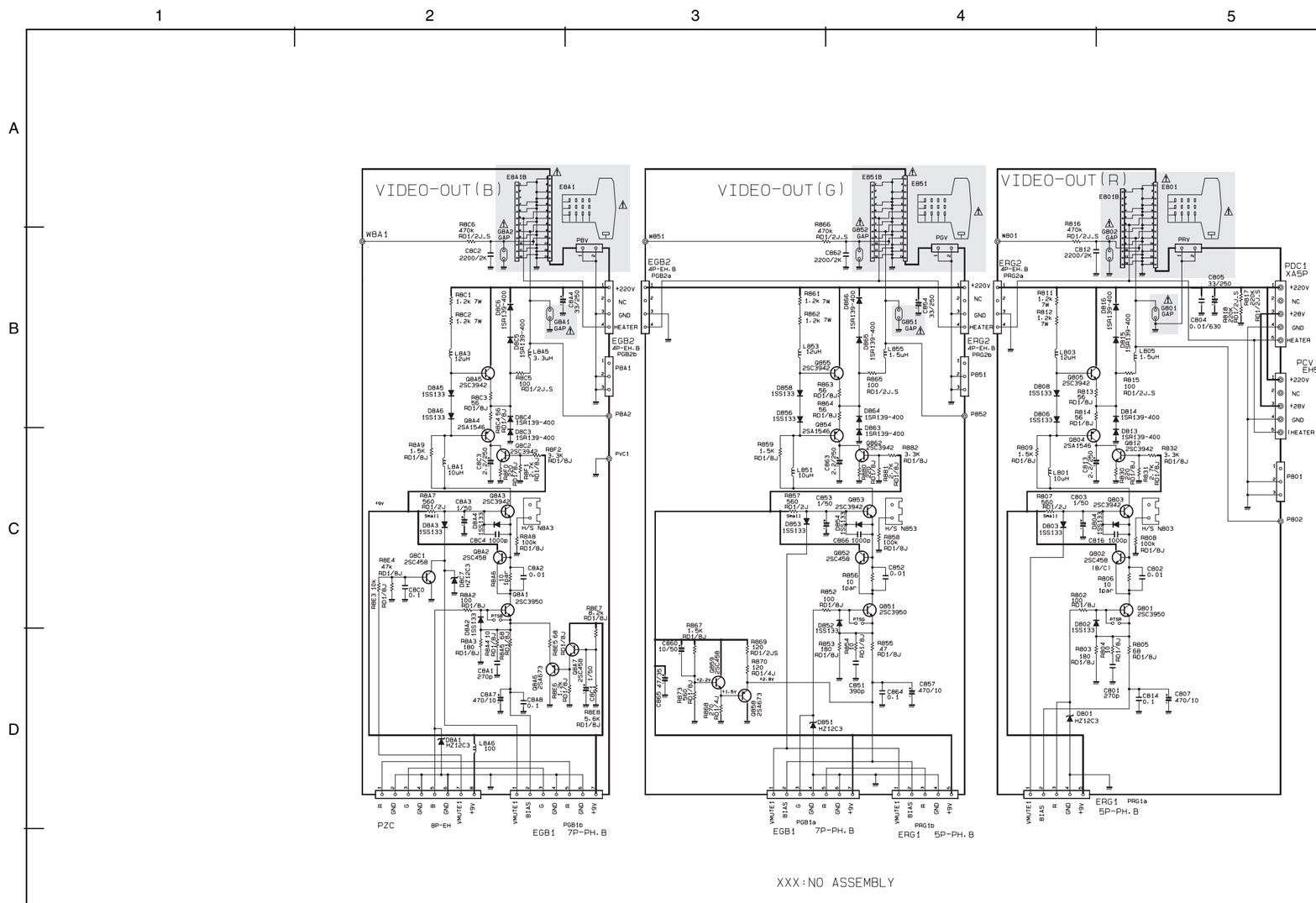
# CIRCUIT SCHEMATIC DIAGRAM

CPT




- All DC voltage to be measured with a tester (100kΩ/V). Voltage taken on a complex color bar signal including a standard color bar signal.
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CPT

HOME

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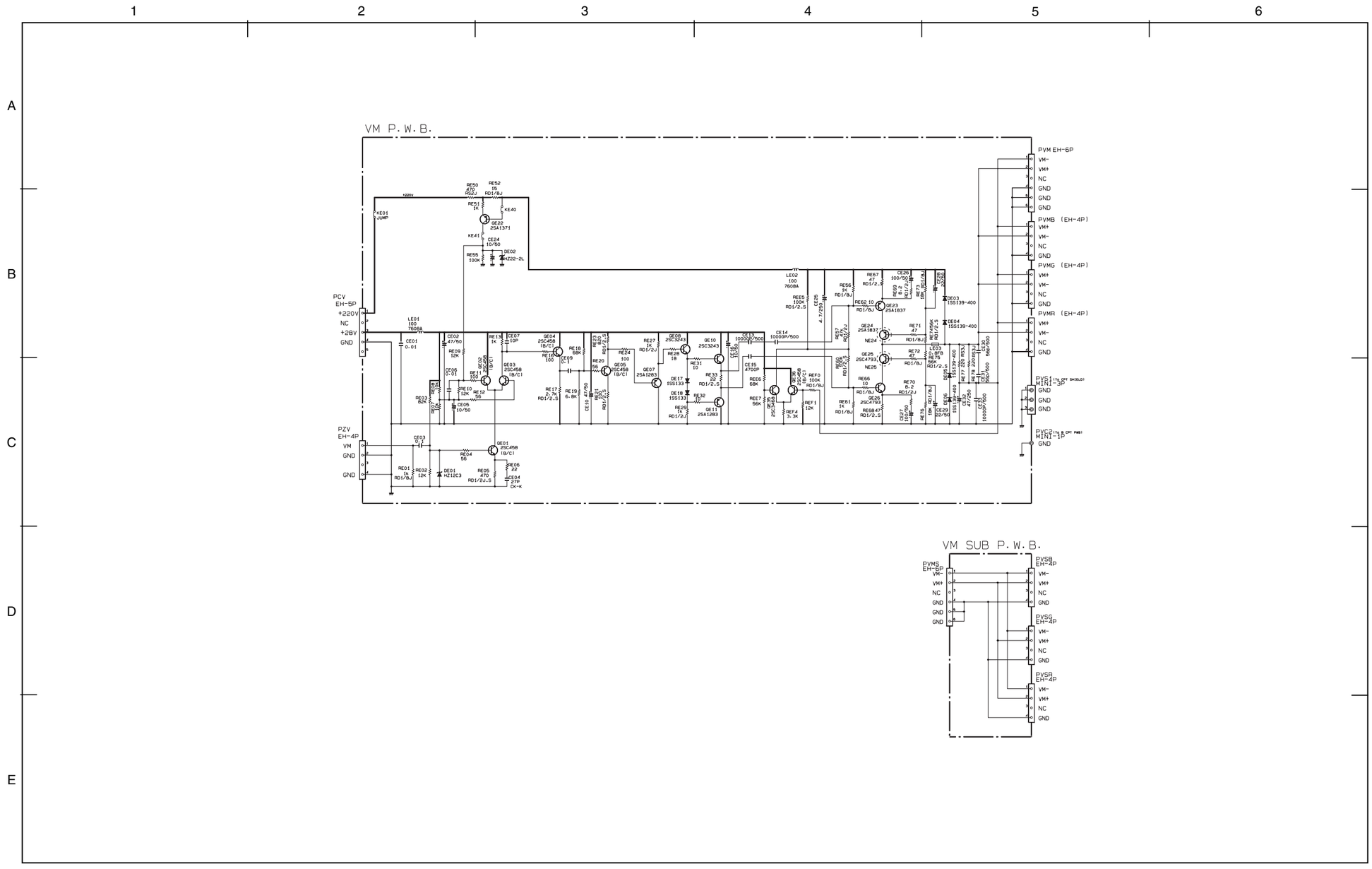
# CIRCUIT SCHEMATIC DIAGRAM




- All DC voltage to be measured with a tester (100kΩ/V). Voltage taken on a complex color bar signal including a standard color bar signal.
- Since this is a basic circuit diagram, the value of the parts is subject to be altered for improvement.

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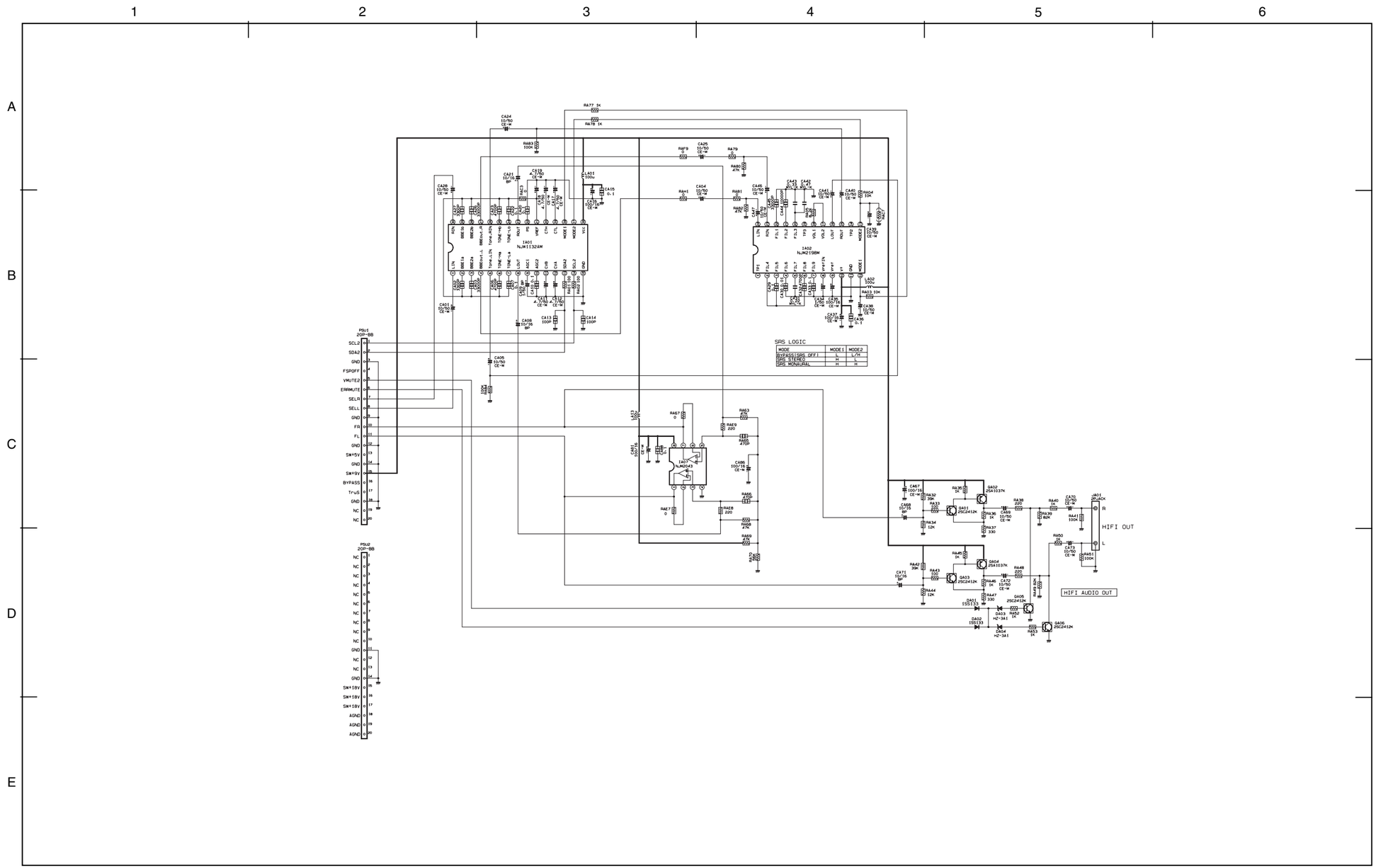
# CIRCUIT SCHEMATIC DIAGRAM

## DP14G

SRS/BBE
DP14G Only




- All DC voltage to be measured with a tester (100kΩ/V). Voltage taken on a complex color bar signal including a standard color bar signal.
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SRS/BBE DP14G Only

HOME

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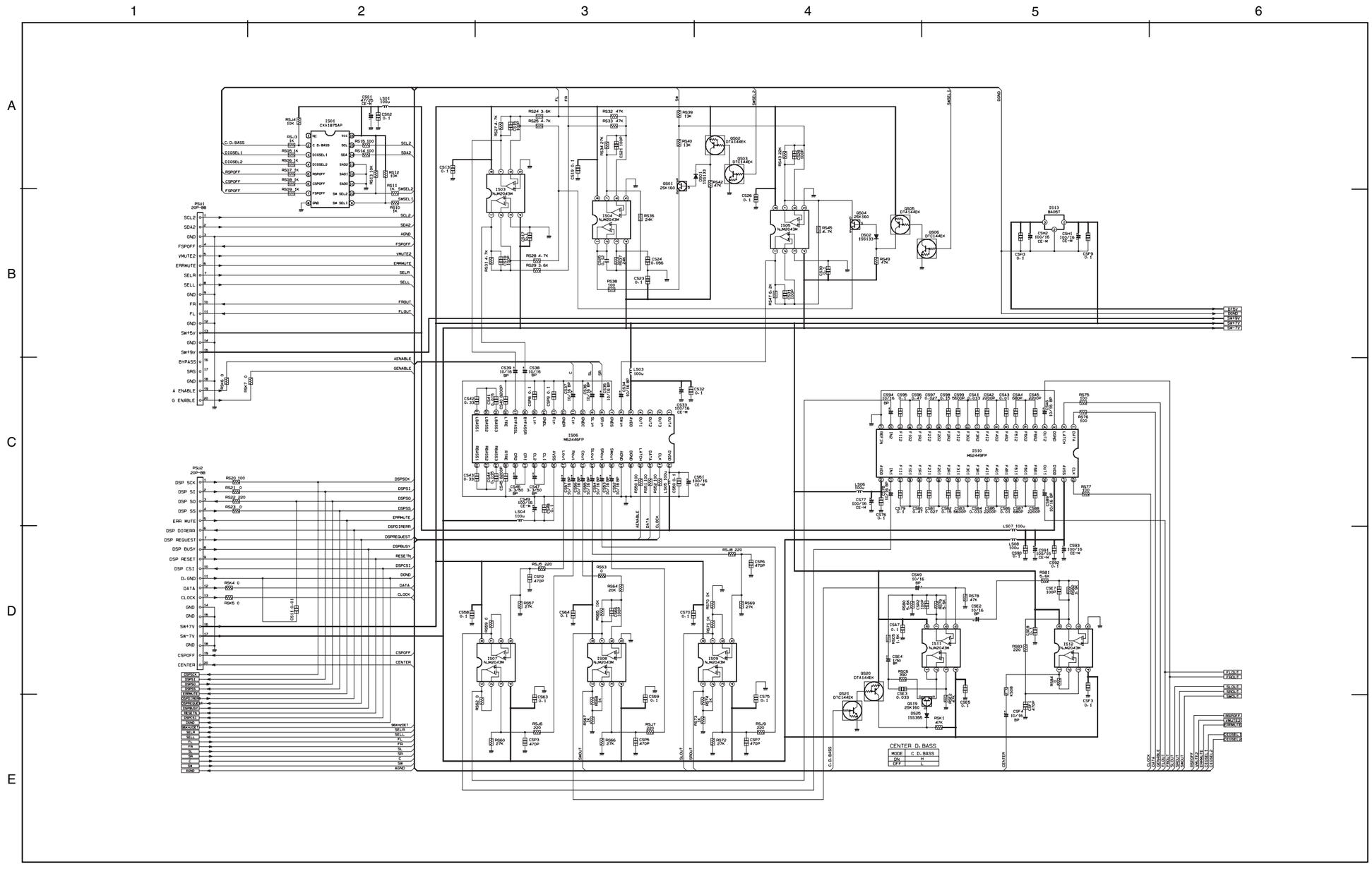
# CIRCUIT SCHEMATIC DIAGRAM

## DP17

SURROUND 1/4
DP17 Only




- All DC voltage to be measured with a tester (100kΩ/V). Voltage taken on a complex color bar signal including a standard color bar signal.
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Surround 1/4 DP17 Only

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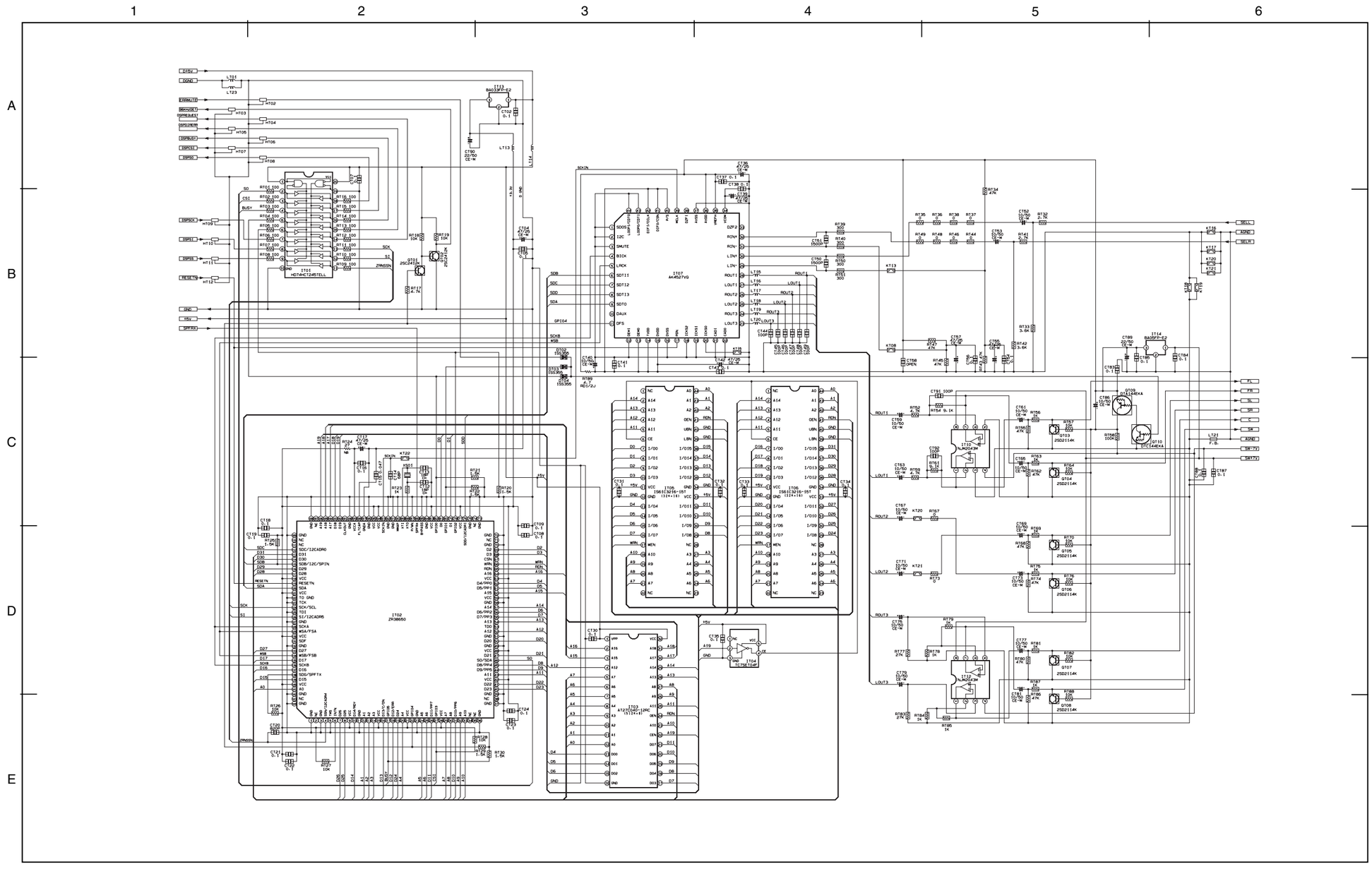
# CIRCUIT SCHEMATIC DIAGRAM

## DP17

SURROUND 2/4
DP17 Only




- All DC voltage to be measured with a tester (100kΩ/V). Voltage taken on a complex color bar signal including a standard color bar signal.
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Surround 2/4 DP17 Only

HOME

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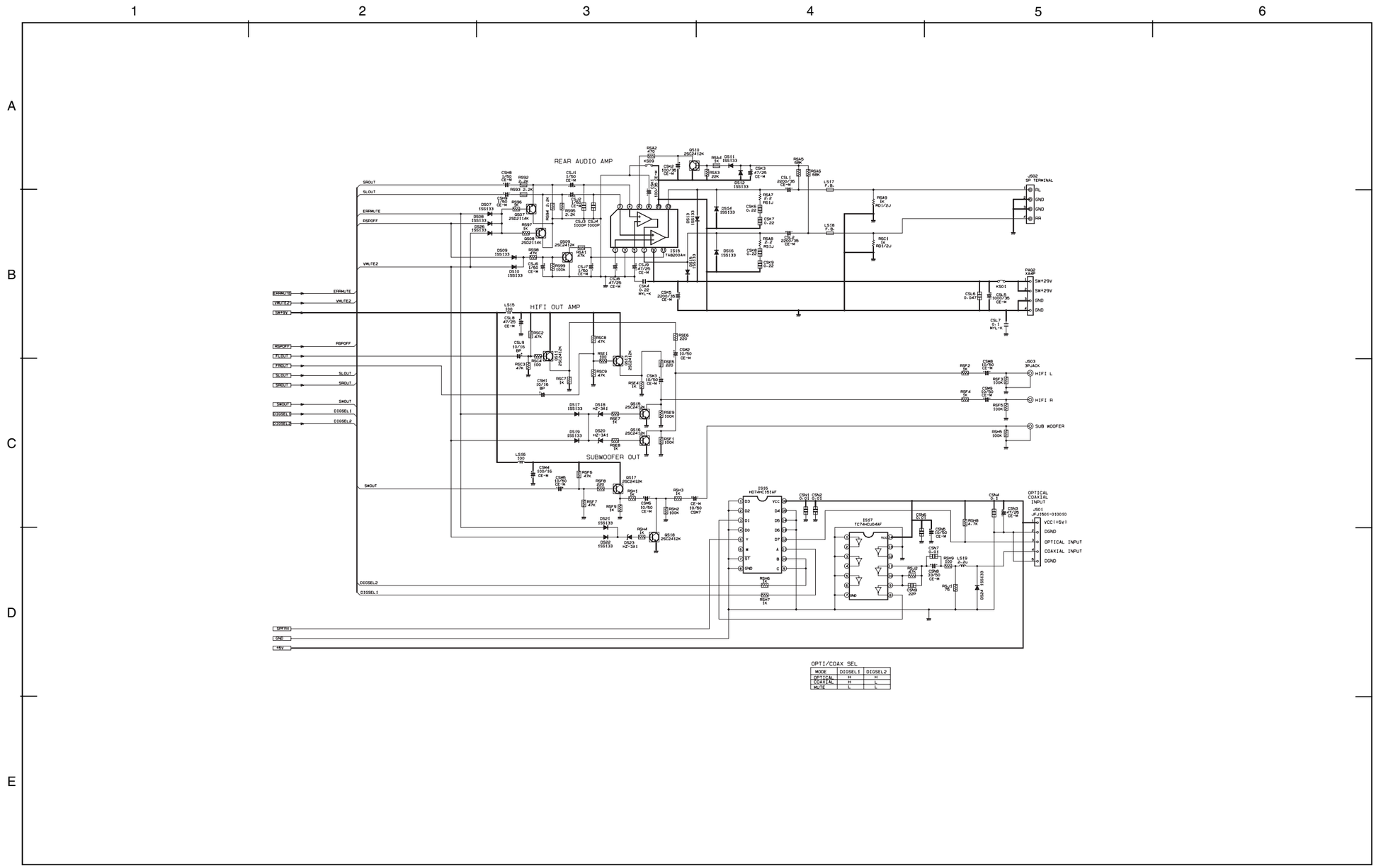
# CIRCUIT SCHEMATIC DIAGRAM

## DP17




OPTI/COAX SEL

| MODE | DIGSEL1 | DIGSEL2 |
|---|---|---|
| OPTICAL | H | H |
| COAXIAL | H | L |
| MUTE | L | L |

- All DC voltage to be measured with a tester (100kΩ/V). Voltage taken on a complex color bar signal including a standard color bar signal.
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Surround 3/4 DP17 Only

HOME

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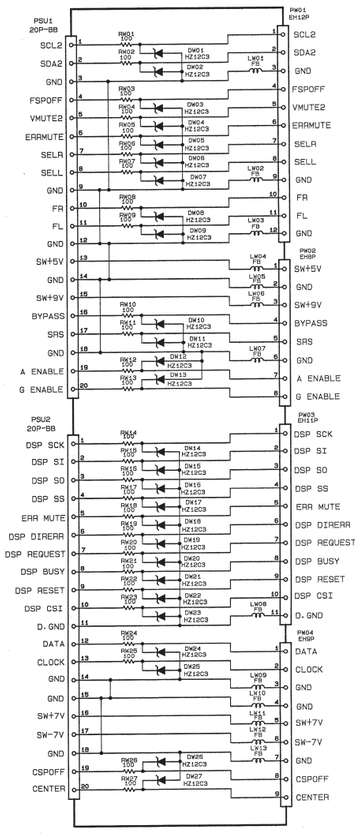
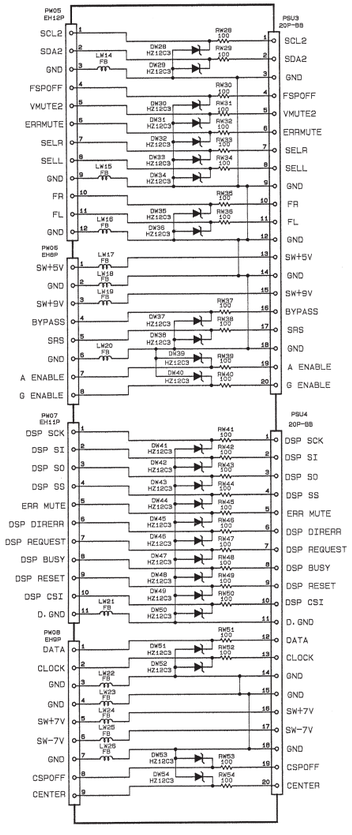
# CIRCUIT SCHEMATIC DIAGRAM

SURROUND 4/4
DP17 Only

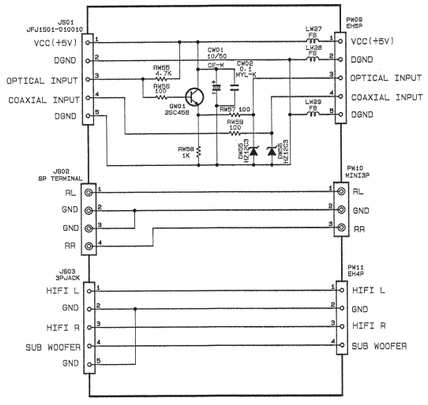
## SURROUND SUB1



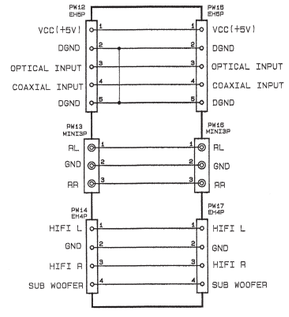

## SURROUND SUB2




## SURROUND SUB3




## SURROUND SUB4



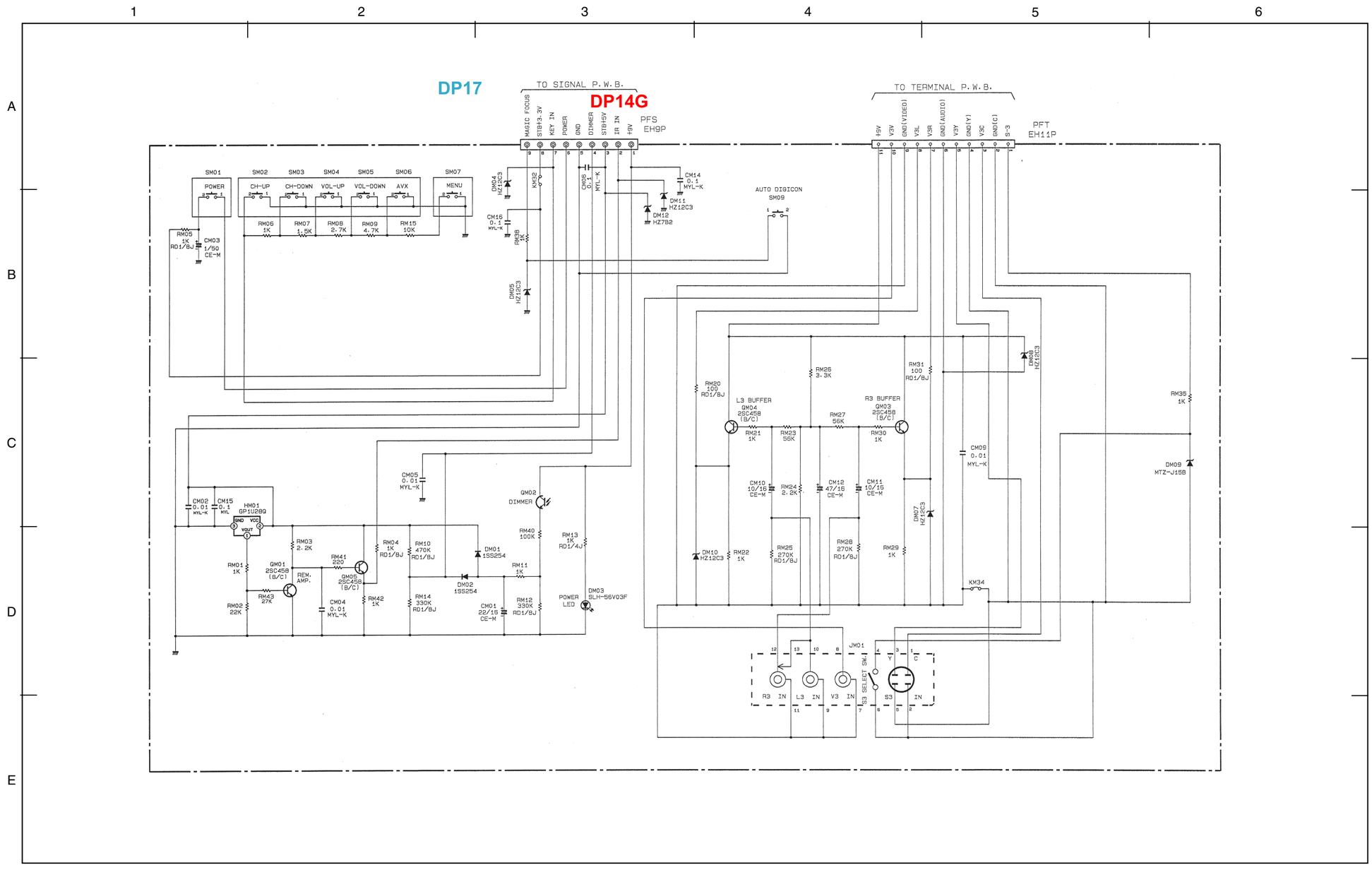

- All DC voltage to be measured with a tester (100kΩ/V). Voltage taken on a complex color bar signal including a standard color bar signal.
- Since this is a basic circuit diagram, the value of the parts is subject to be altered for improvement.

Surorund 4/4 DP17 Only

HOME

PRODUCT SAFETY NOTE: Components marked with a ⚠ and shaded have special characteristics important to safety. Before replacing any of these components, read carefully the PRODUCT SAFETY NOTICE of this Service Manual. Don t degrade the safety of the receiver through improper servicing.

# CIRCUIT SCHEMATIC DIAGRAM



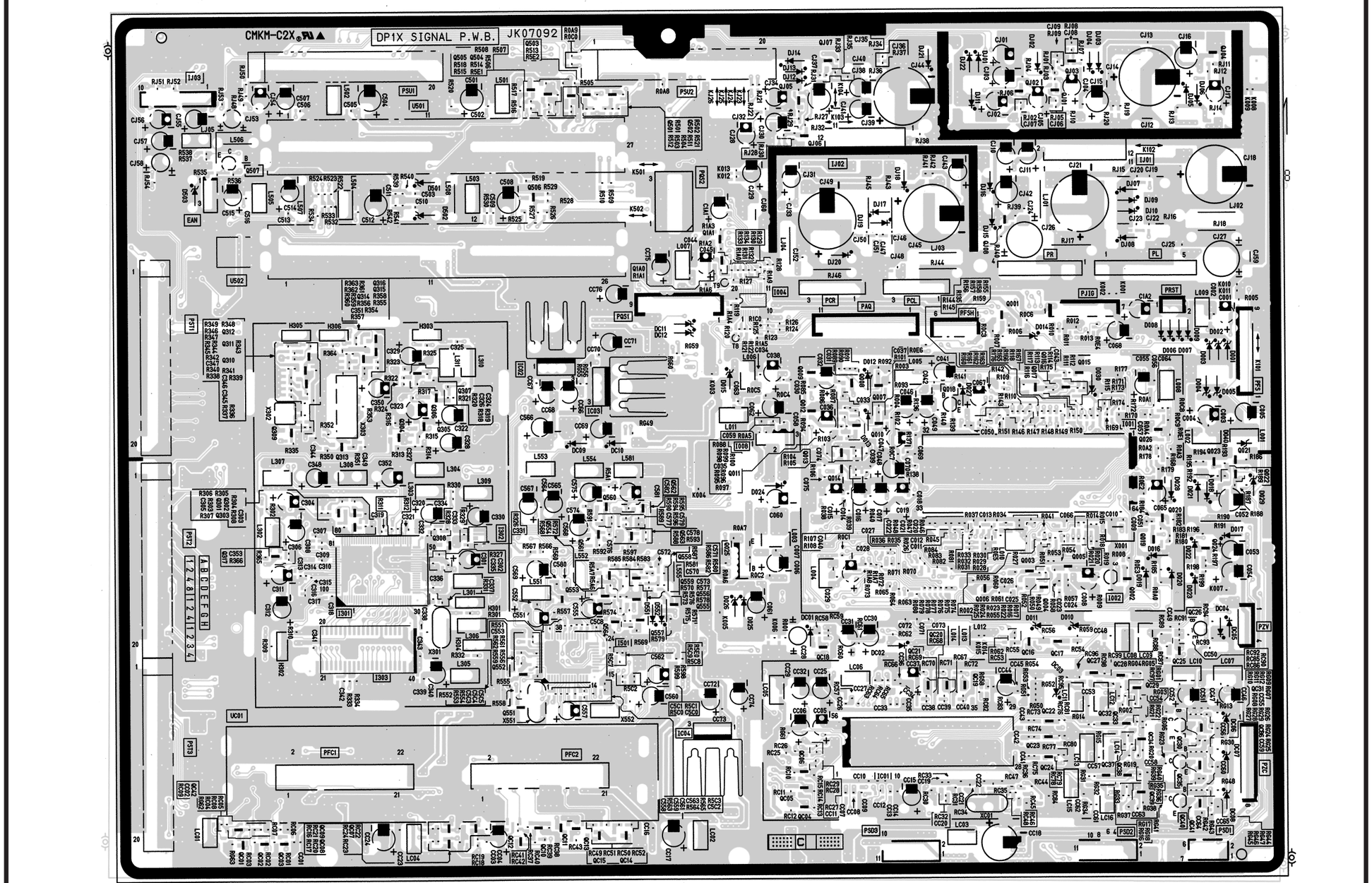

- All DC voltage to be measured with a tester (100kΩ/V). Voltage taken on a complex color bar signal including a standard color bar signal.
- Since this is a basic circuit diagram, the value of the parts is subject to be altered for improvement.

Control

HOME

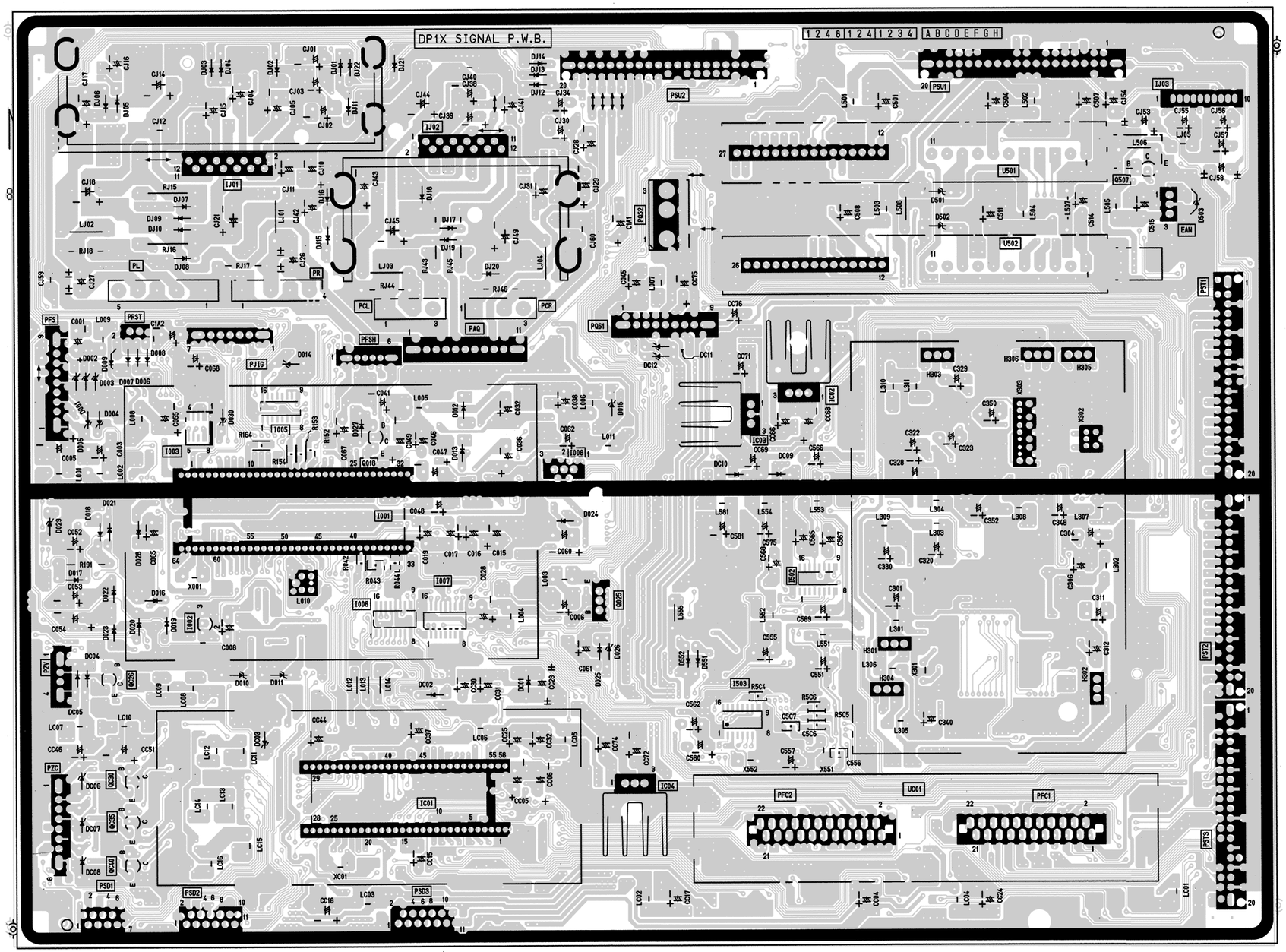
# PRINTED CIRCUIT BOARD
## COMPONENT SIDE

DP1X SIGNAL PWB



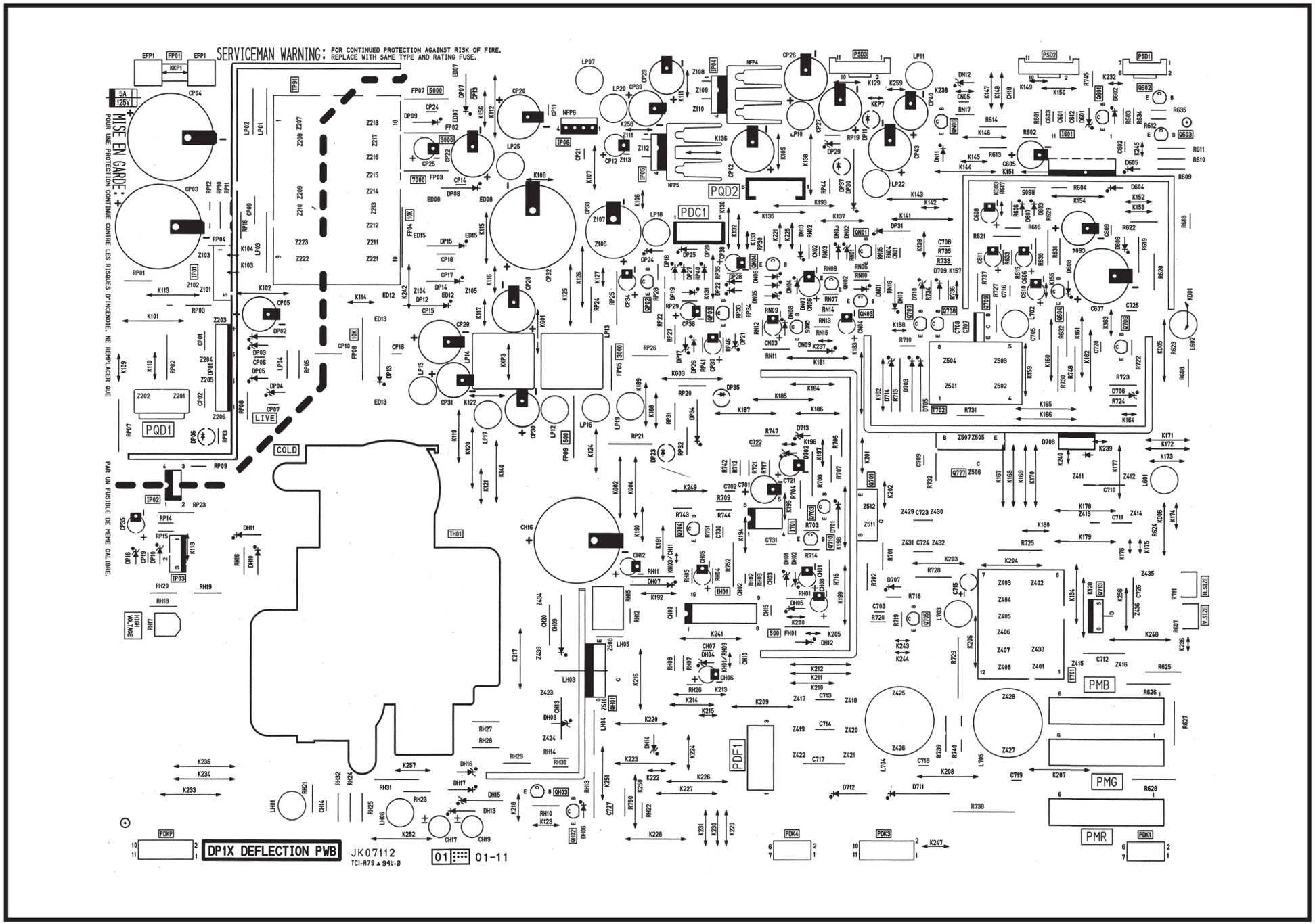
# PRINTED CIRCUIT BOARD
## PATTERN SIDE

DP1X SIGNAL PWB



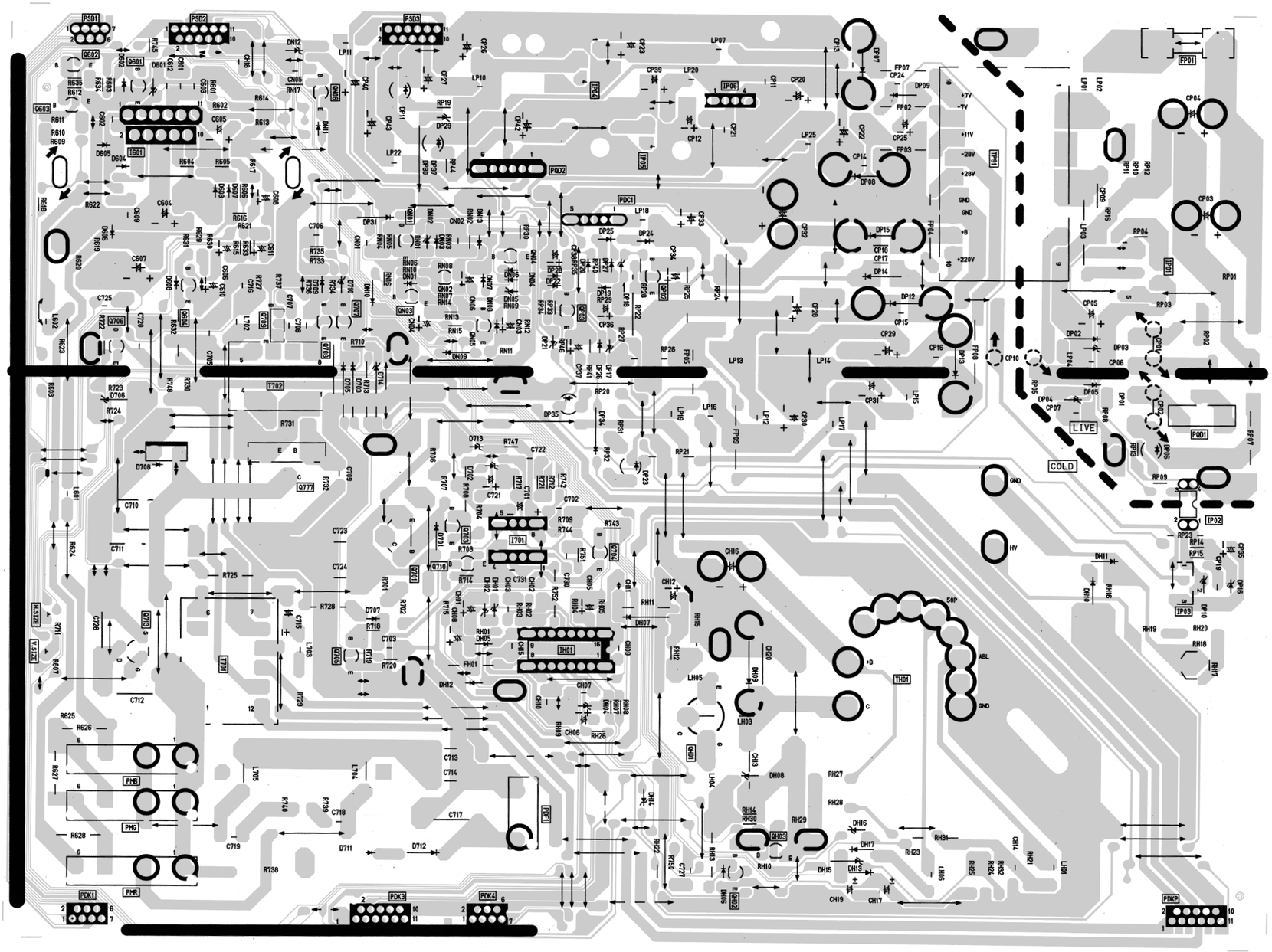
# PRINTED CIRCUIT BOARD
## COMPONENT SIDE

DP1X DEFLECTION PWB



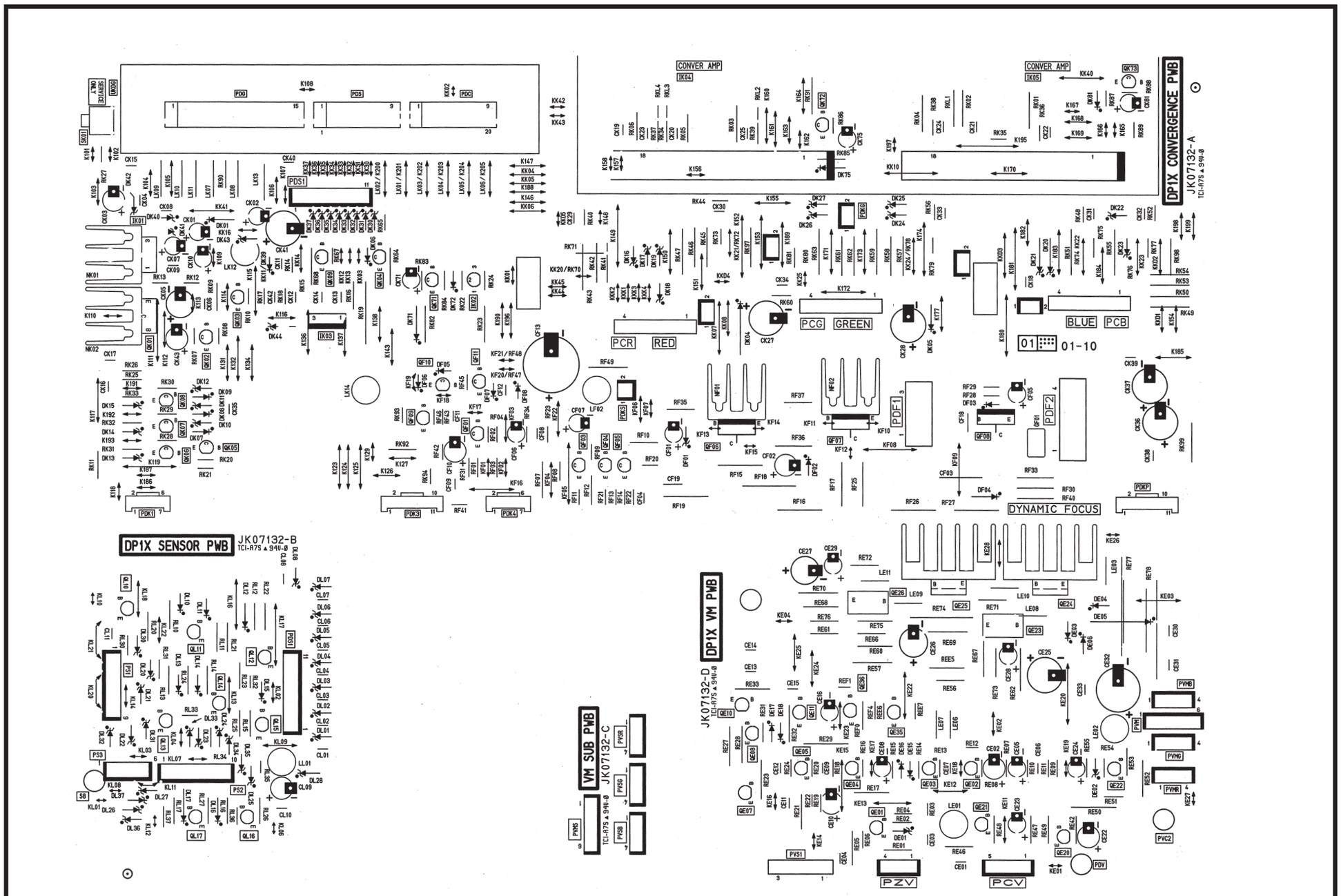
# PRINTED CIRCUIT BOARD
## PATTERN SIDE

DP1X DEFLECTION PWB



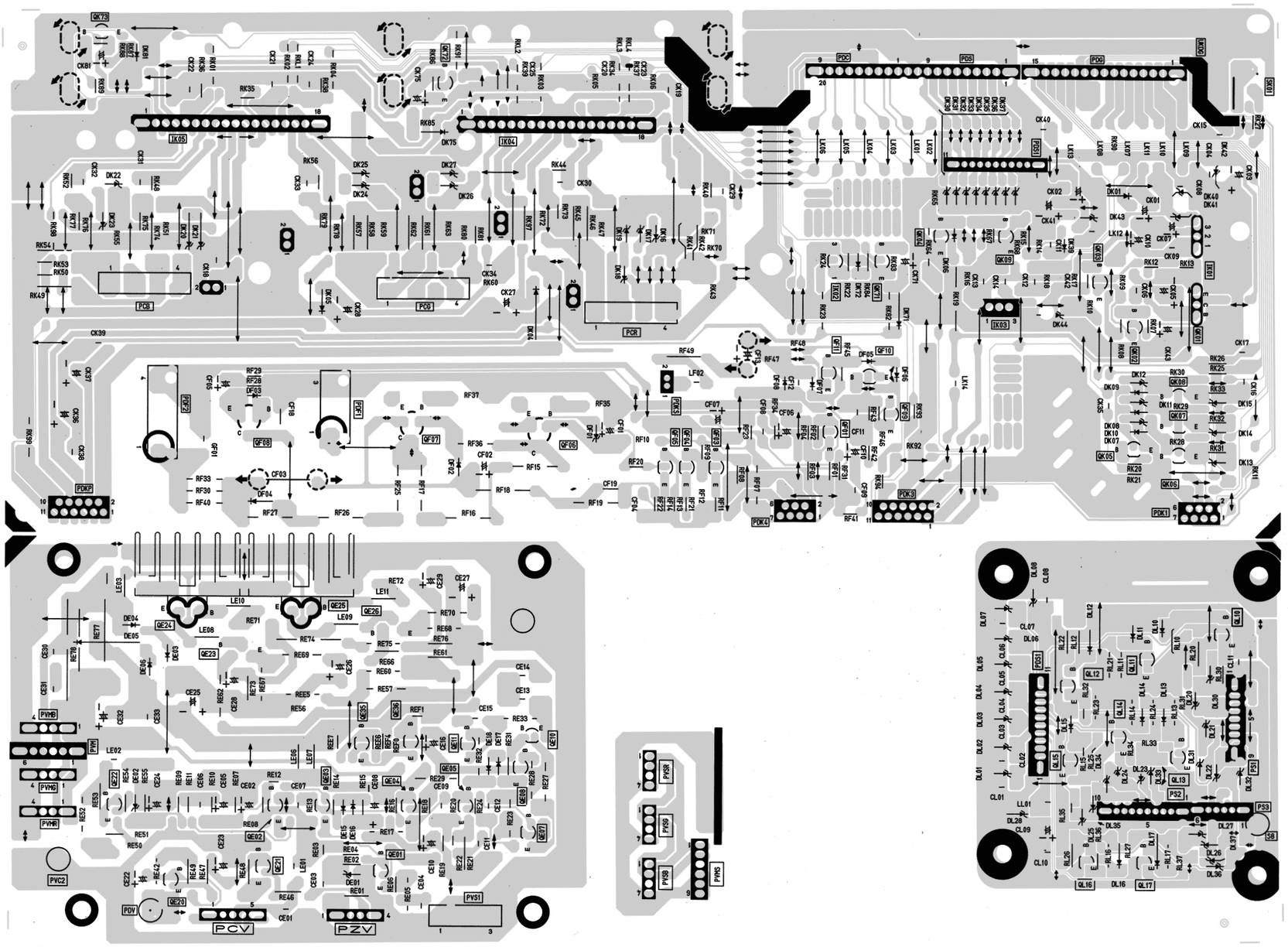
# PRINTED CIRCUIT BOARD
## COMPONENT SIDE

DP1X CONVERGENCE / DP1X SENSOR PWB / DP1X VM PWB



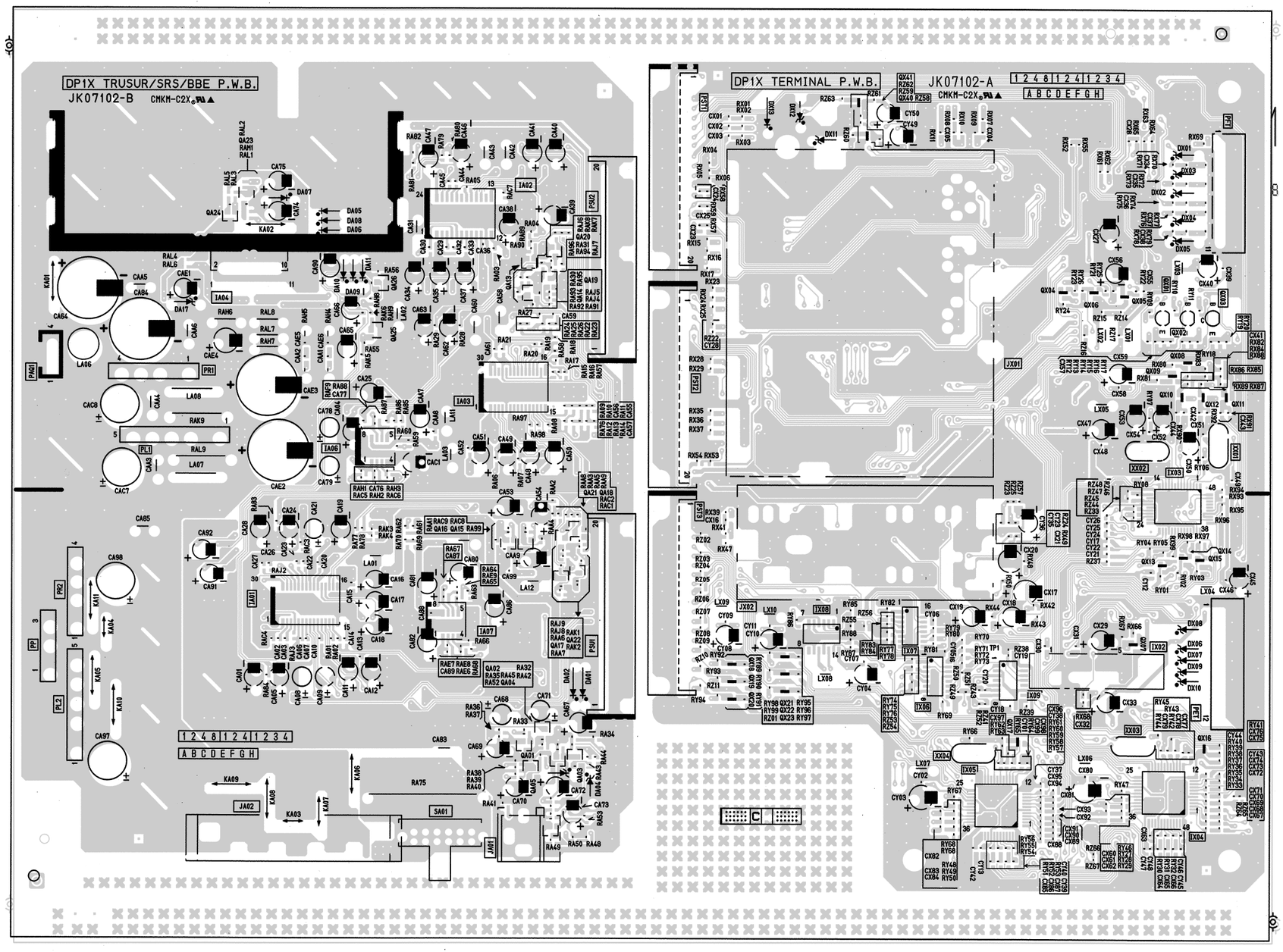
# PRINTED CIRCUIT BOARD
## PATTERN SIDE

DP1X CONVERGENCE / DP1X SENSOR PWB / DP1X VM PWB



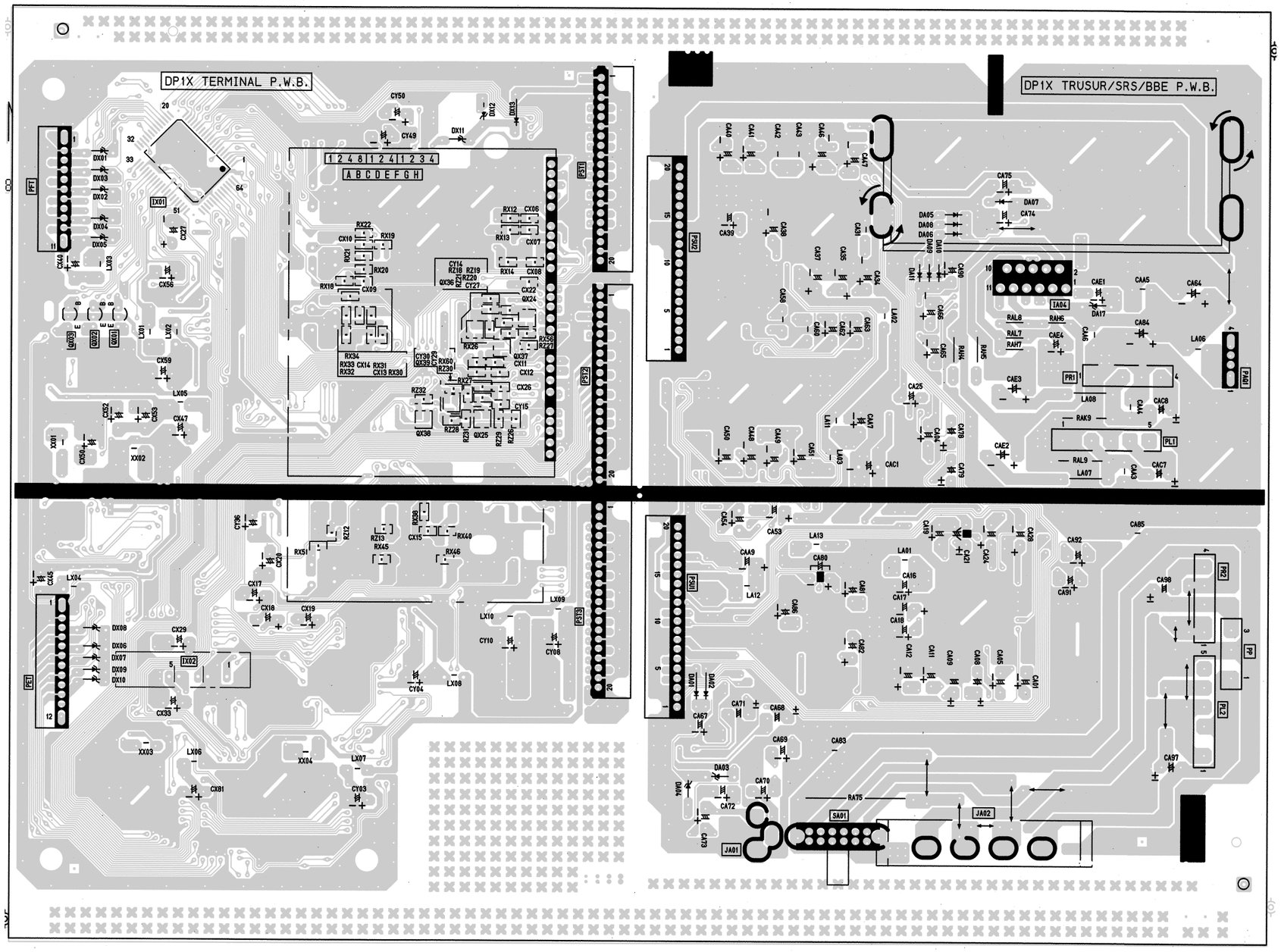
# PRINTED CIRCUIT BOARD
## COMPONENT SIDE

DP1X SRS/BBE PWB / DP1X TERMINAL PWB



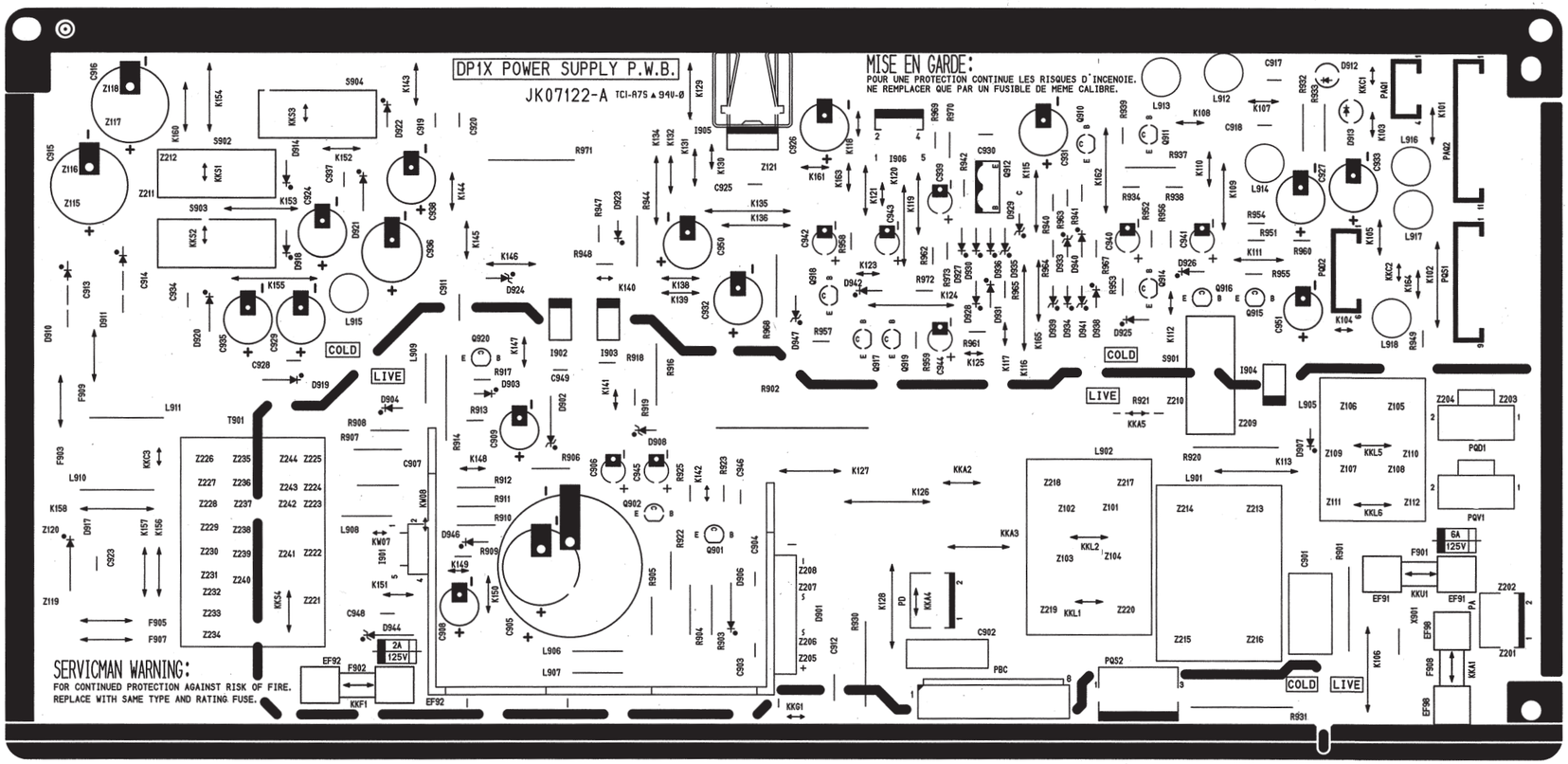
# PRINTED CIRCUIT BOARD
## PATTERN SIDE

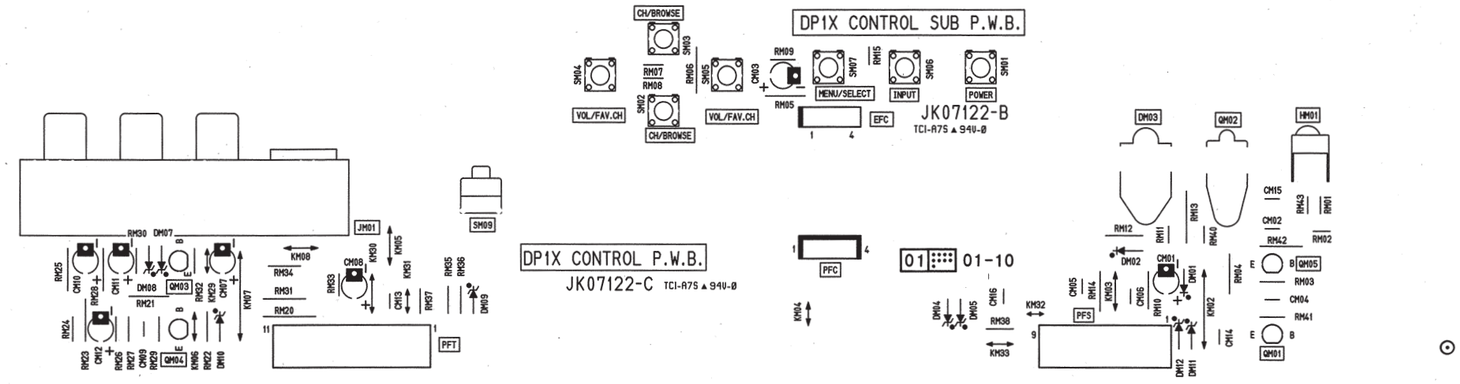
DP1X SRS/BBE PWB / DP1X TERMINAL PWB



# PRINTED CIRCUIT BOARD
## COMPONENT SIDE

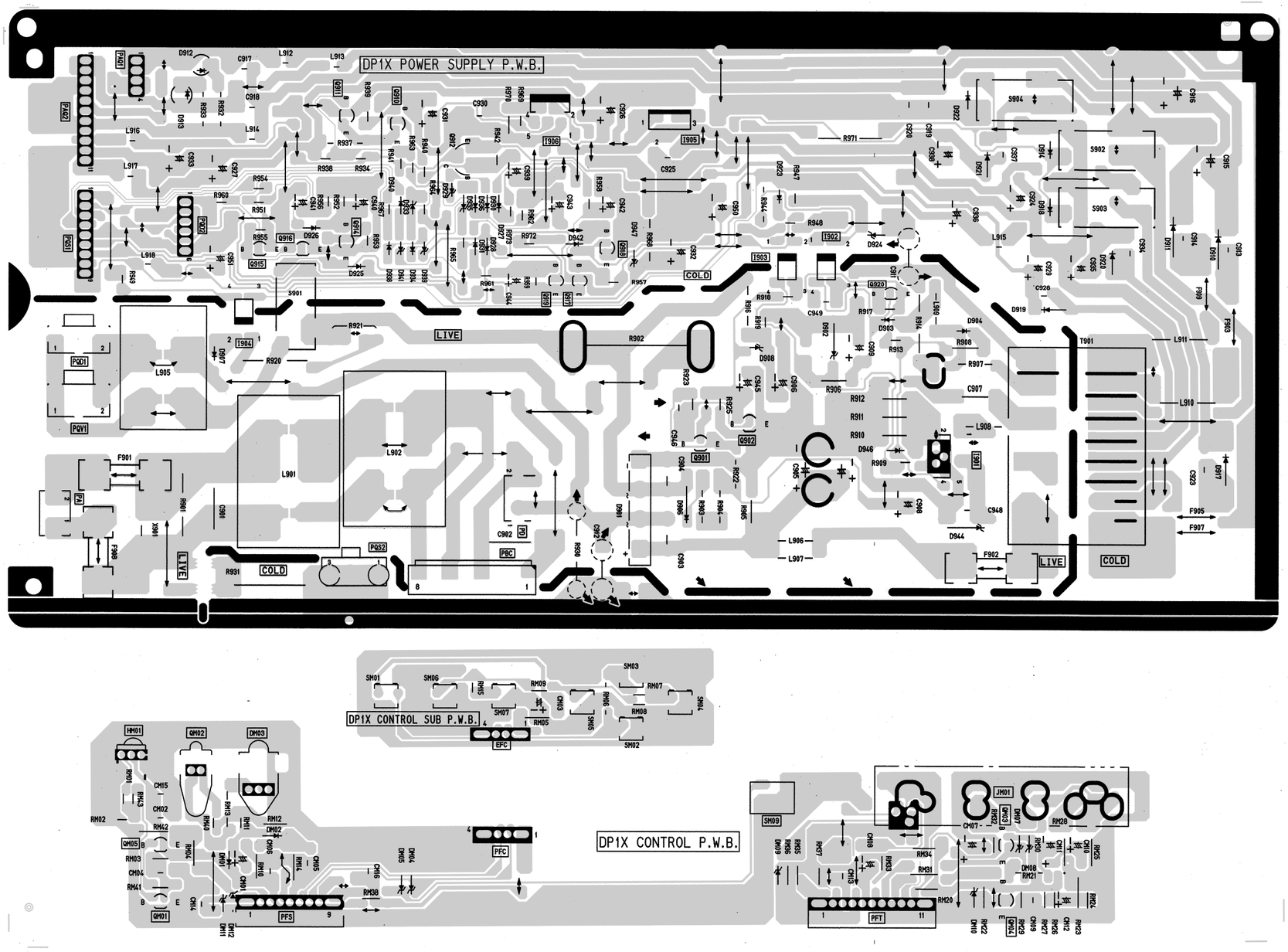
DP1X POWER SUPPLY PWB / DP1X CONTROL PWB


DP1X POWER SUPPLY P.W.B.
JK07122-A TCI-A7S ▲ 94V-Ø
MISE EN GARDE:
POUR UNE PROTECTION CONTINUE LES RISQUES D'INCENDIE.
NE REMPLACER QUE PAR UN FUSIBLE DE MEME CALIBRE.
SERVICMAN WARNING:
FOR CONTINUED PROTECTION AGAINST RISK OF FIRE.
REPLACE WITH SAME TYPE AND RATING FUSE.
COLD
LIVE
2A 125V
6A 125V



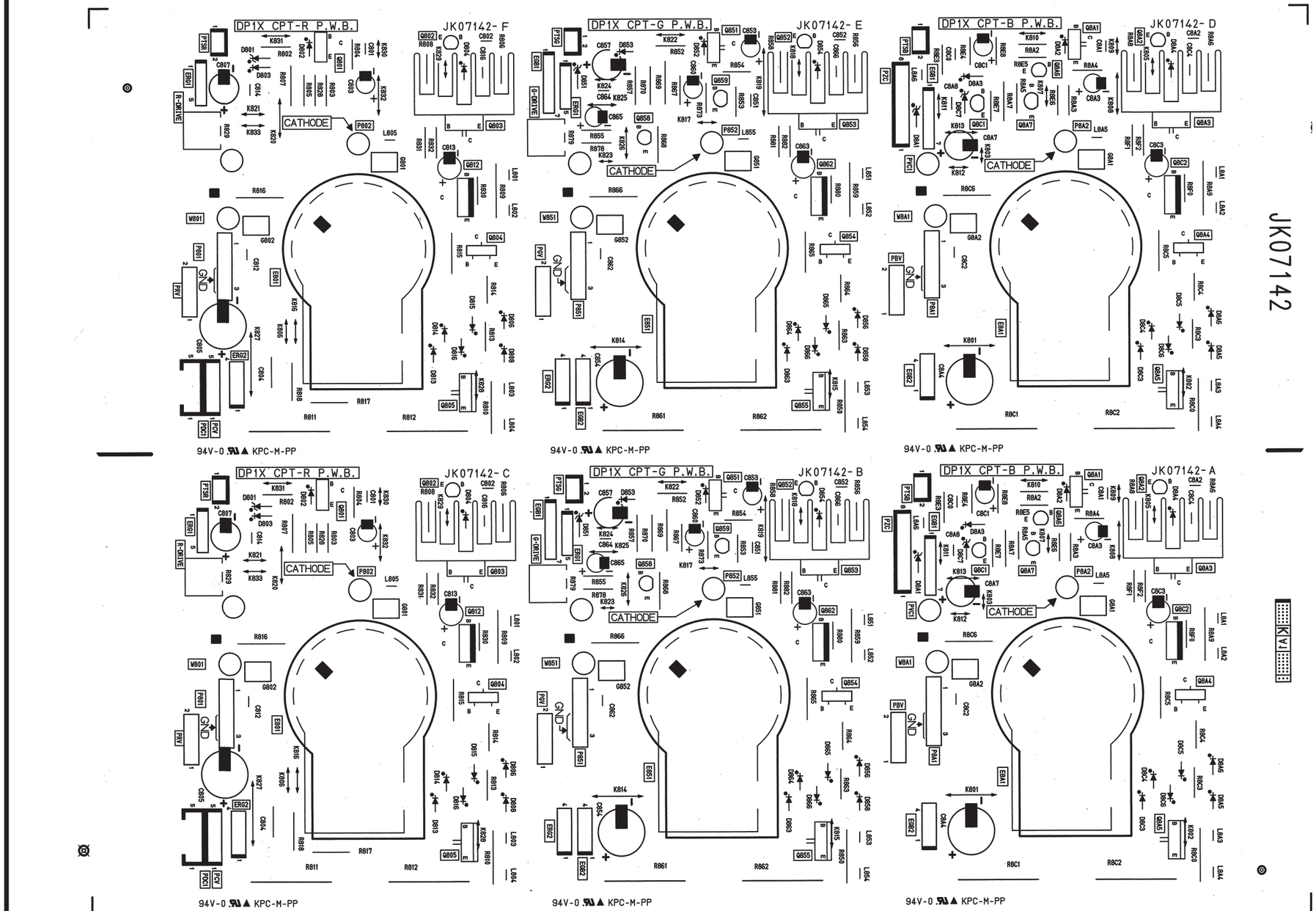
# PRINTED CIRCUIT BOARD
## PATTERN SIDE

DP1X POWER SUPPLY PWB / DP1X CONTROL PWB



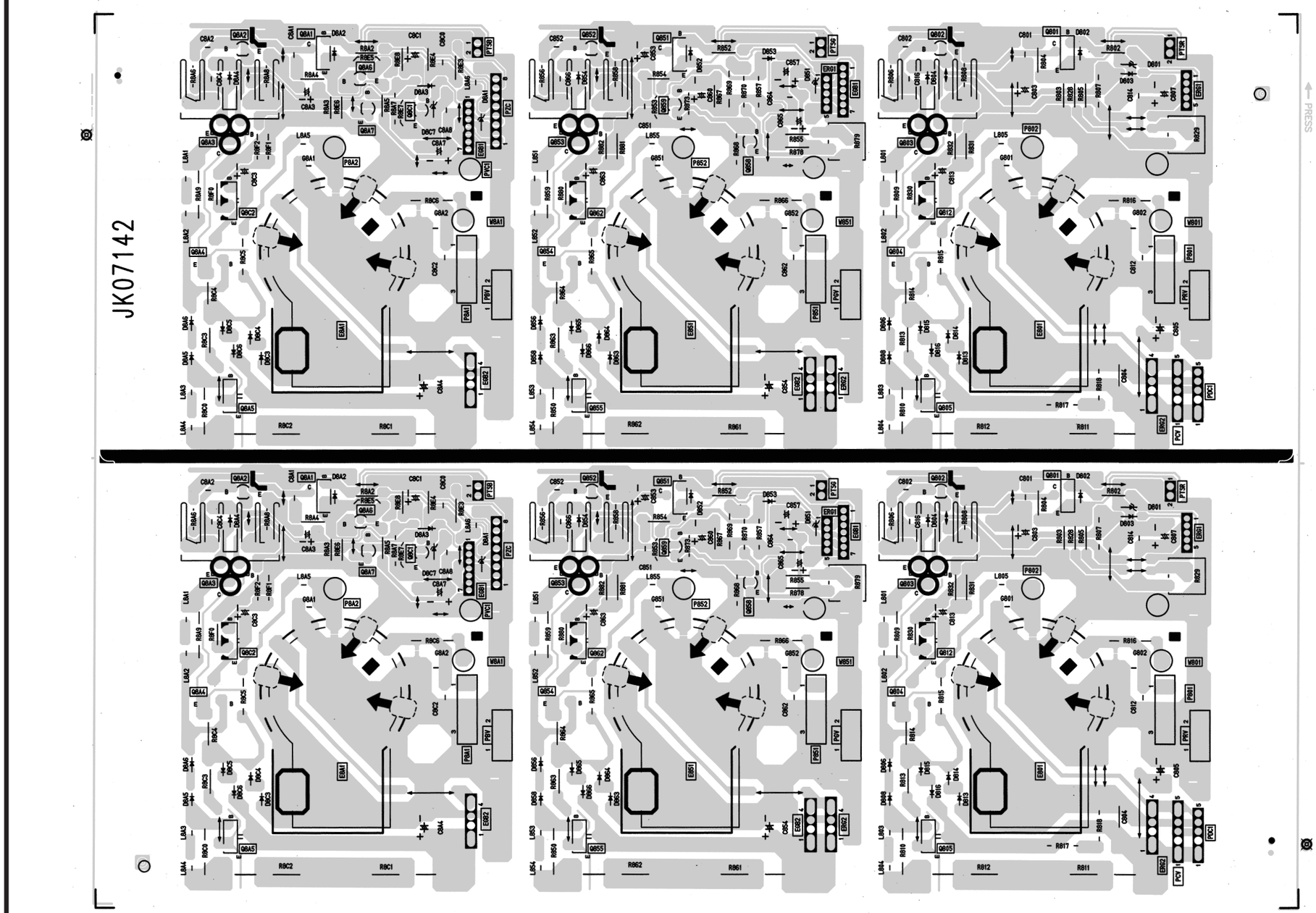
# PRINTED CIRCUIT BOARD
## COMPONENT SIDE

DP1X CPT P.W.B.

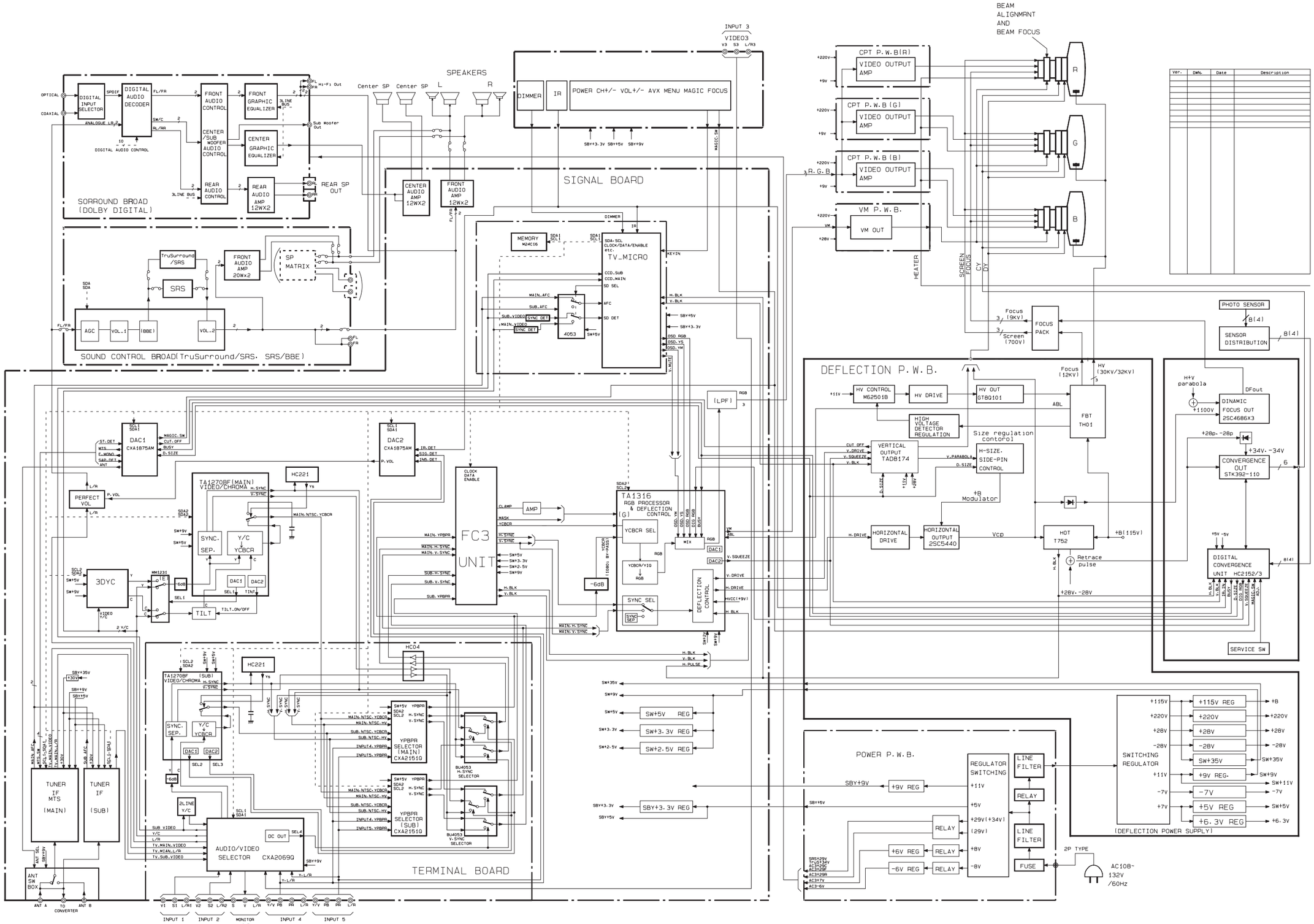


# PRINTED CIRCUIT BOARD
## PATTERN SIDE

DP1X CPT P.W.B.

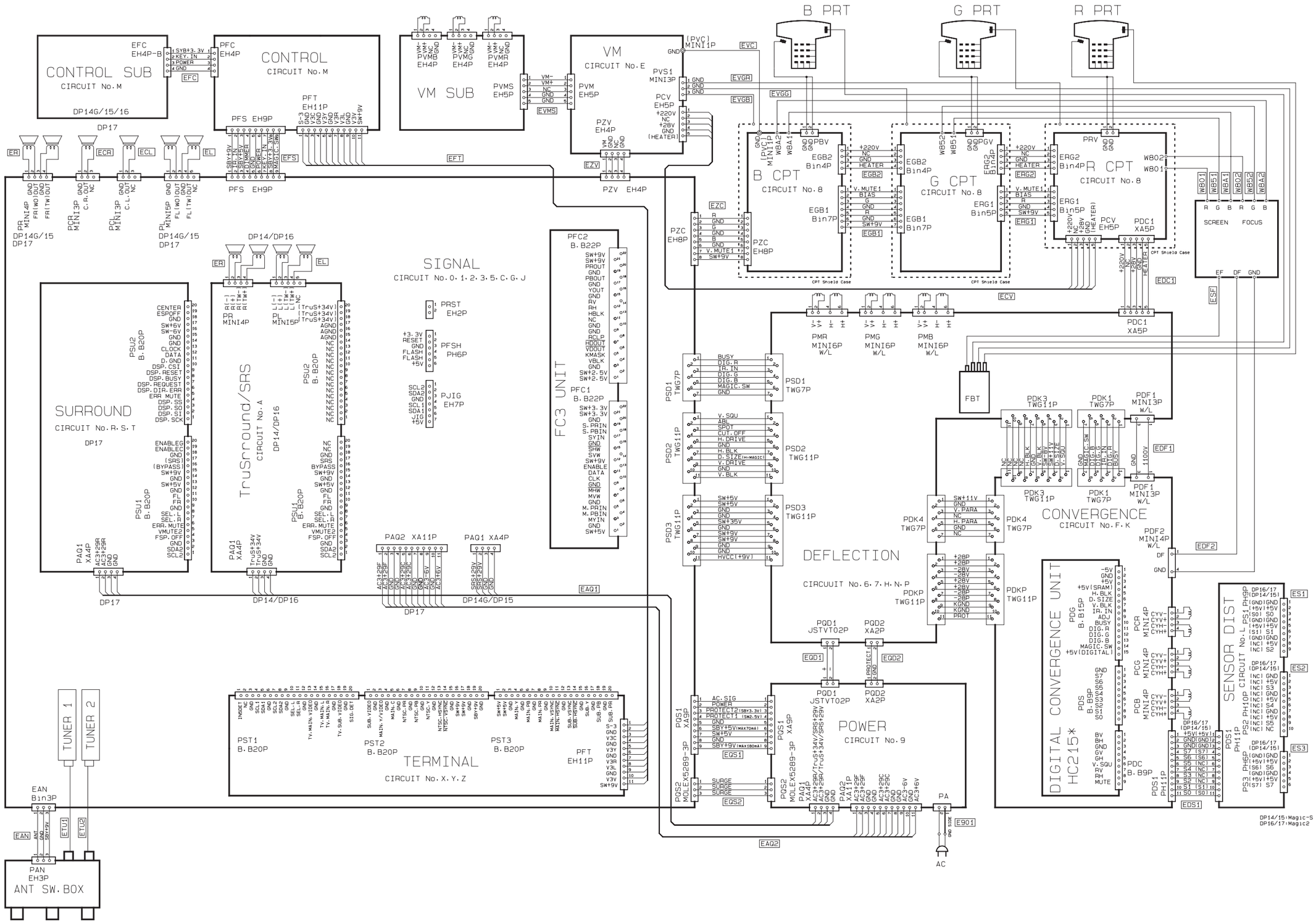


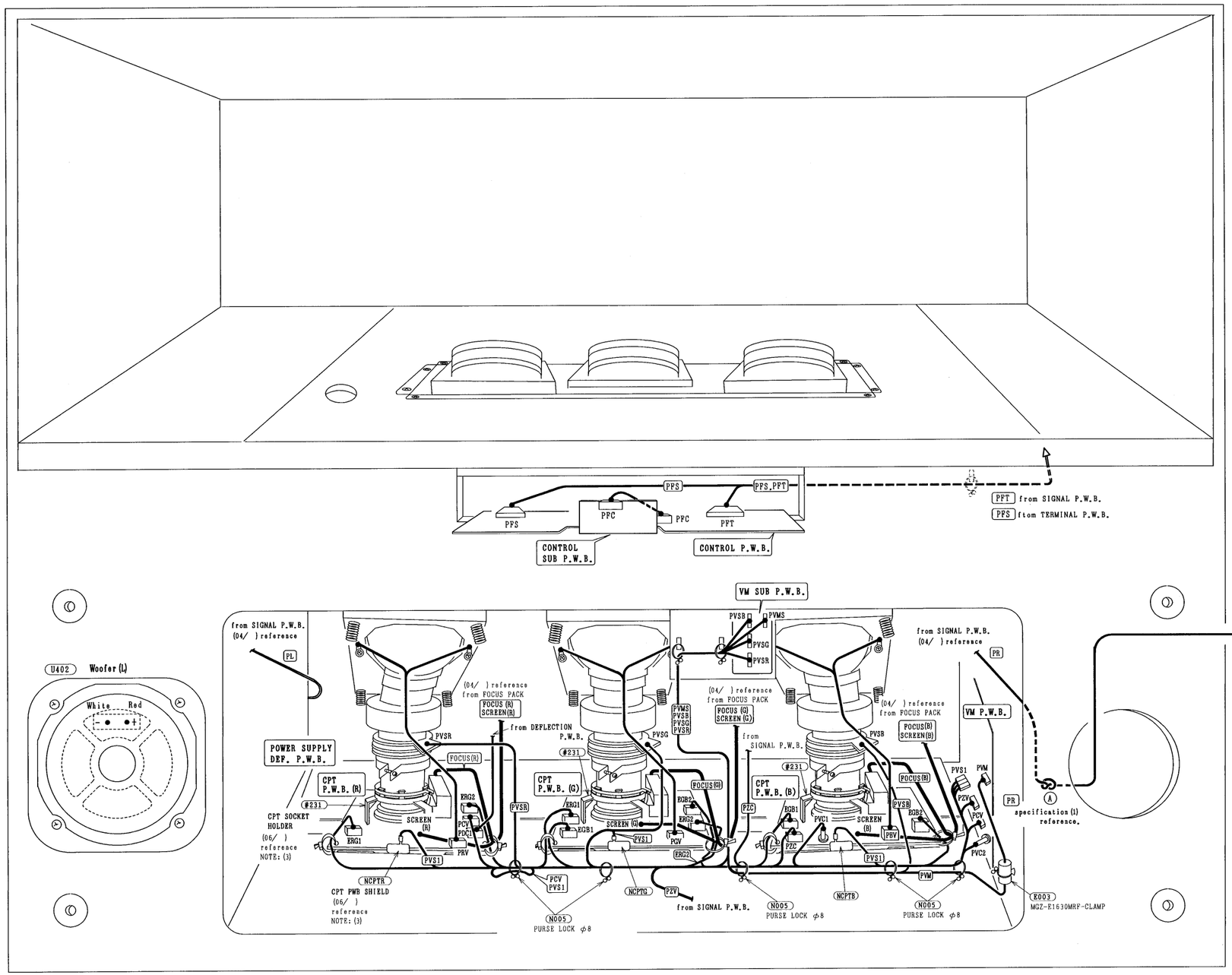
# BLOCK DIAGRAM




| Ver. | DWN. | Date | Description |
|---|---|---|---|
| | | | |

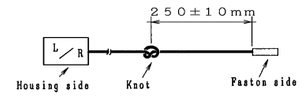
# WIRING DIAGRAM



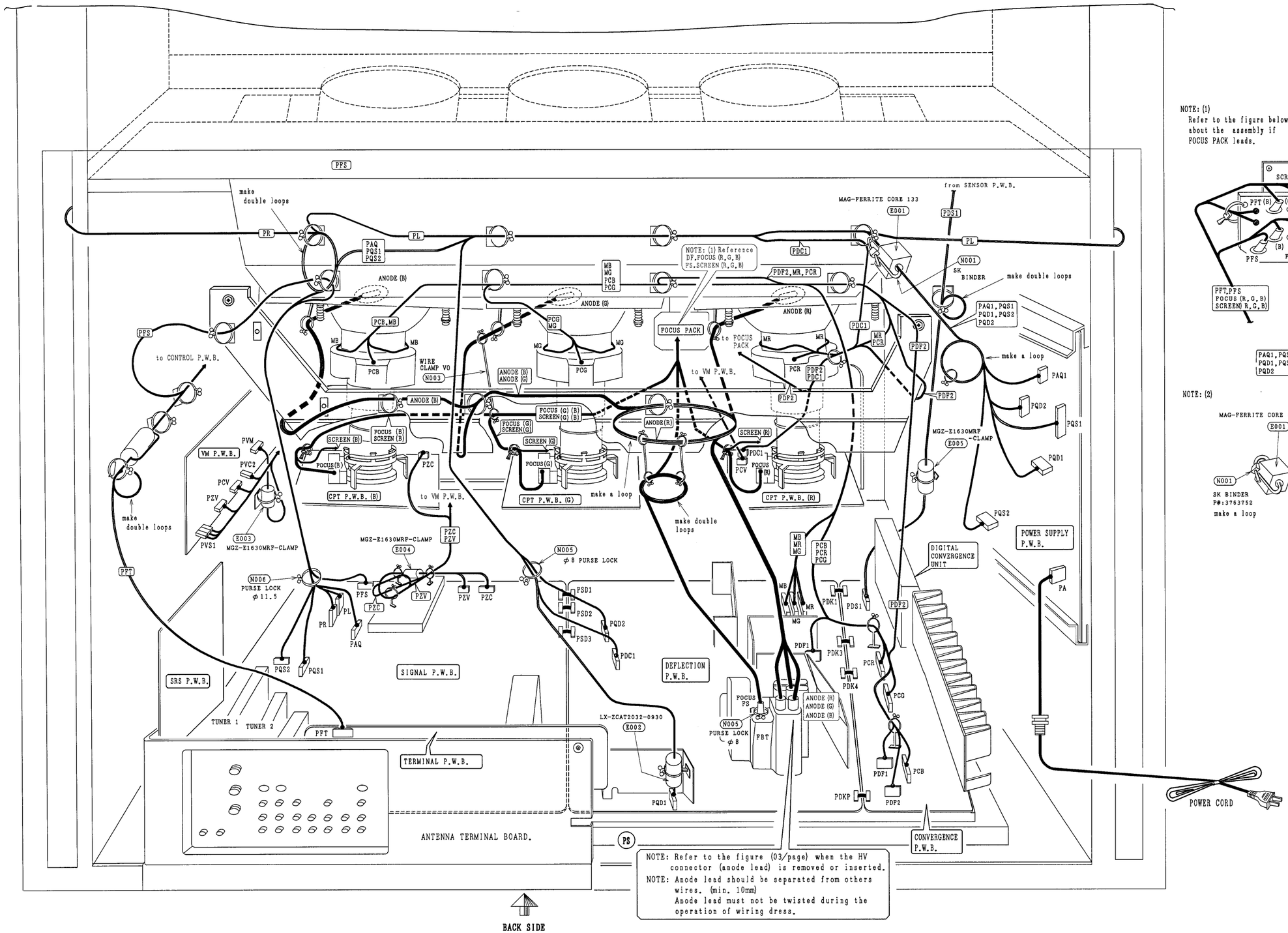



**SPECIFICATION**

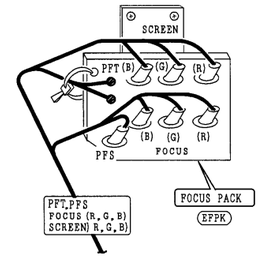
(1) Make a knot as follow below Figure after wires is therugh the hole (A) cabinet.



# 43UWX10B FINAL WIRING

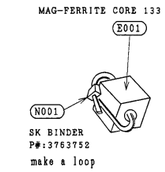


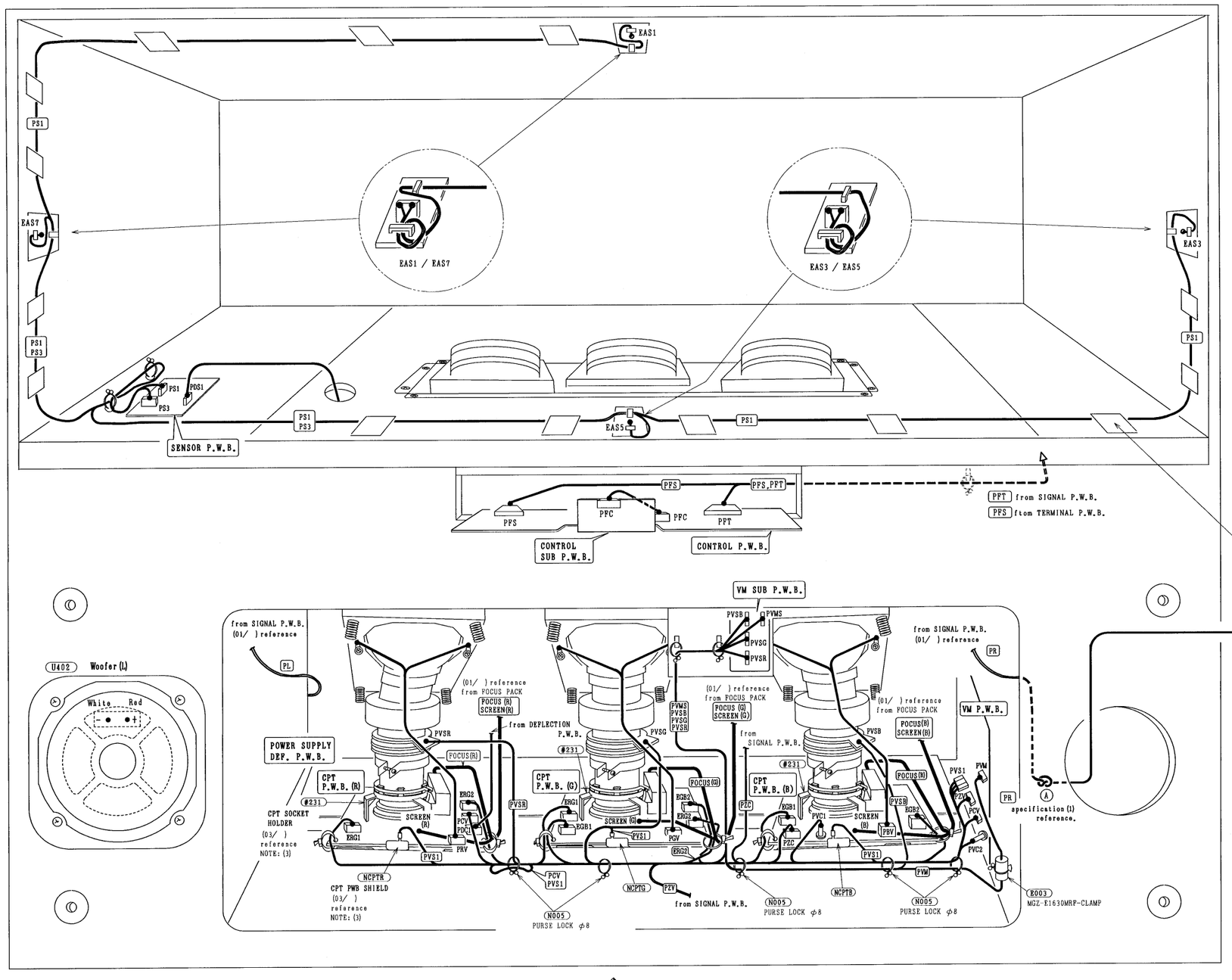

NOTE: (1)
Refer to the figure below
about the assembly if
FOCUS PACK leads.

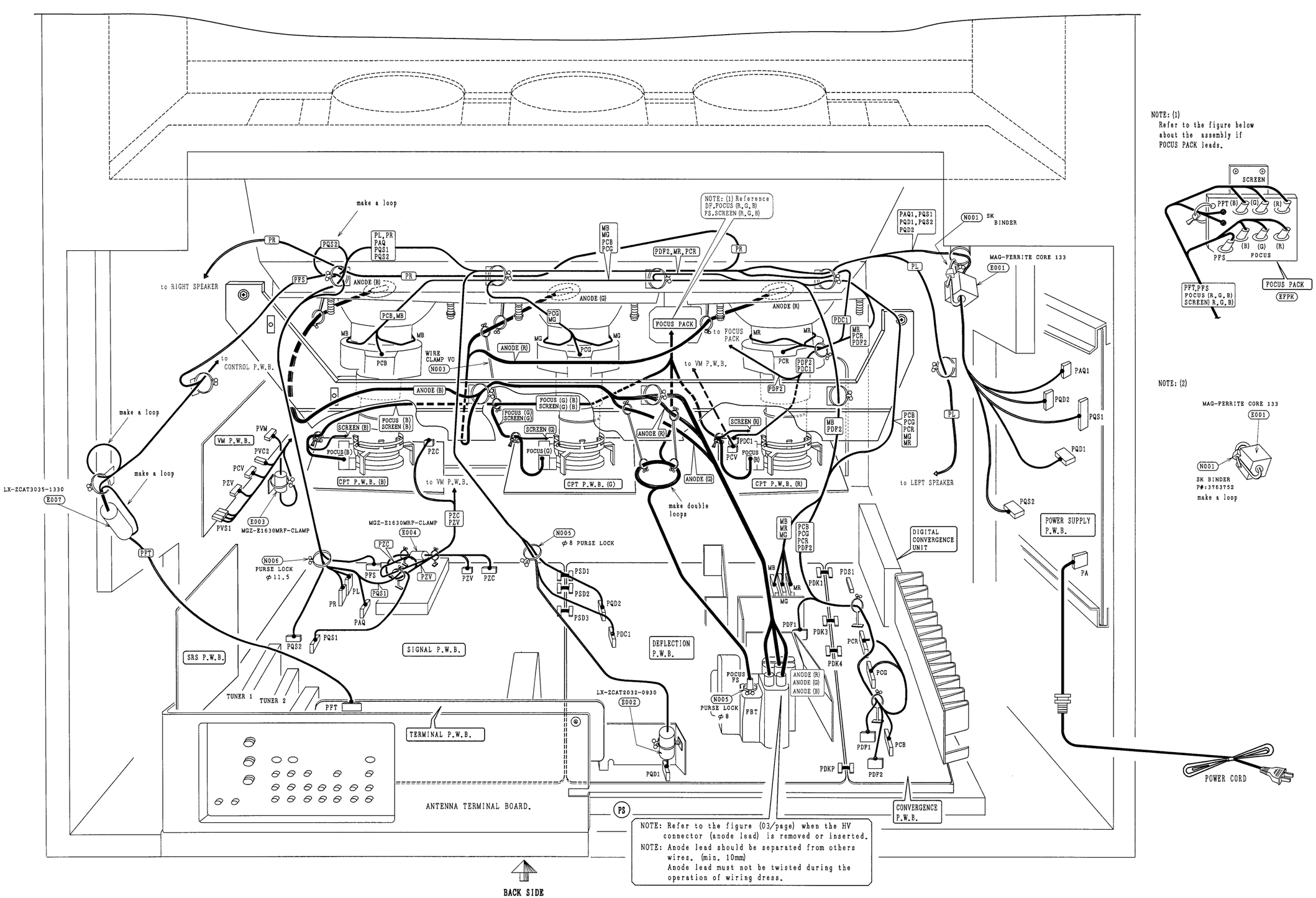



PAQ1,PQS1
PQD1,PQS2
PQD2

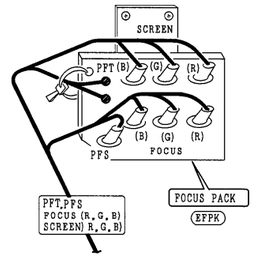
NOTE: (2)




EAS1
PS1
EAS7
PS1
PS3
EAS1 / EAS7
EAS3 / EAS5
EAS3
PS1
PS1
PS3
PS1
PDS1
PS3
SENSOR P.W.B.
PS1
PS3
EAS5
PS1
PFS
PFS,PFT
PFS
PFC
PFC
PFT
CONTROL SUB P.W.B.
CONTROL P.W.B.
PFT from SIGNAL P.W.B.
PFS ftom TERMINAL P.W.B.
VM SUB P.W.B.
PVSB
PVMS
PVSG
PVSR
from SIGNAL P.W.B. (01/ ) reference
PL
(01/ ) reference from FOCUS PACK
FOCUS (R) SCREEN(R)
from DEFLECTION P.W.B.
PVSR
FOCUS(R)
POWER SUPPLY DEF. P.W.B.
CPT P.W.B. (R)
#231
CPT SOCKET HOLDER
(03/ ) reference NOTE: (3)
ERG1
ERG2
SCREEN (R)
PCV
PRV
PVS1
NCPTR
CPT PWB SHIELD
(03/ ) reference NOTE: (3)
PCV
PVS1
N005
PURSE LOCK φ8
PVMS
PVSB
PVSG
PVSR
CPT P.W.B. (G)
#231
ERG1
EGB1
SCREEN (G)
FOCUS(G)
PVS1
PGV
ERG2
NCPTG
PZV
from SIGNAL P.W.B.
N005
PURSE LOCK φ8
FOCUS (G) SCREEN (G)
from SIGNAL P.W.B.
CPT P.W.B. (B)
#231
EGB2
EGB1
PZC
PVC1
SCREEN (B)
PBV
PVS1
NCPTB
N005
PURSE LOCK φ8
from SIGNAL P.W.B. (01/ ) reference
PR
(01/ ) reference from FOCUS PACK
FOCUS(B) SCREEN(B)
VM P.W.B.
PVS1
PVM
PZV
PCV
PBV
PVC2
PVM
PR
A
specification (1) reference.
E003
MGZ-E1630MRP-CLAMP
U402
Woofer (L)
White
Red
SPECIFICATION
(1) Make a knot as follow below Figure after wires is thorugh the hole (A) cabinet.
250±10mm
L
R
Housing side
Knot
Paston side
14 places
red (PCR)
red (PCL)
blue (PCR)
brown (PCL)
Terminal base : Red
Terminal base : white
Put silicon to cabinet hole.
U406
Woofer (R)
FRONT SIDE

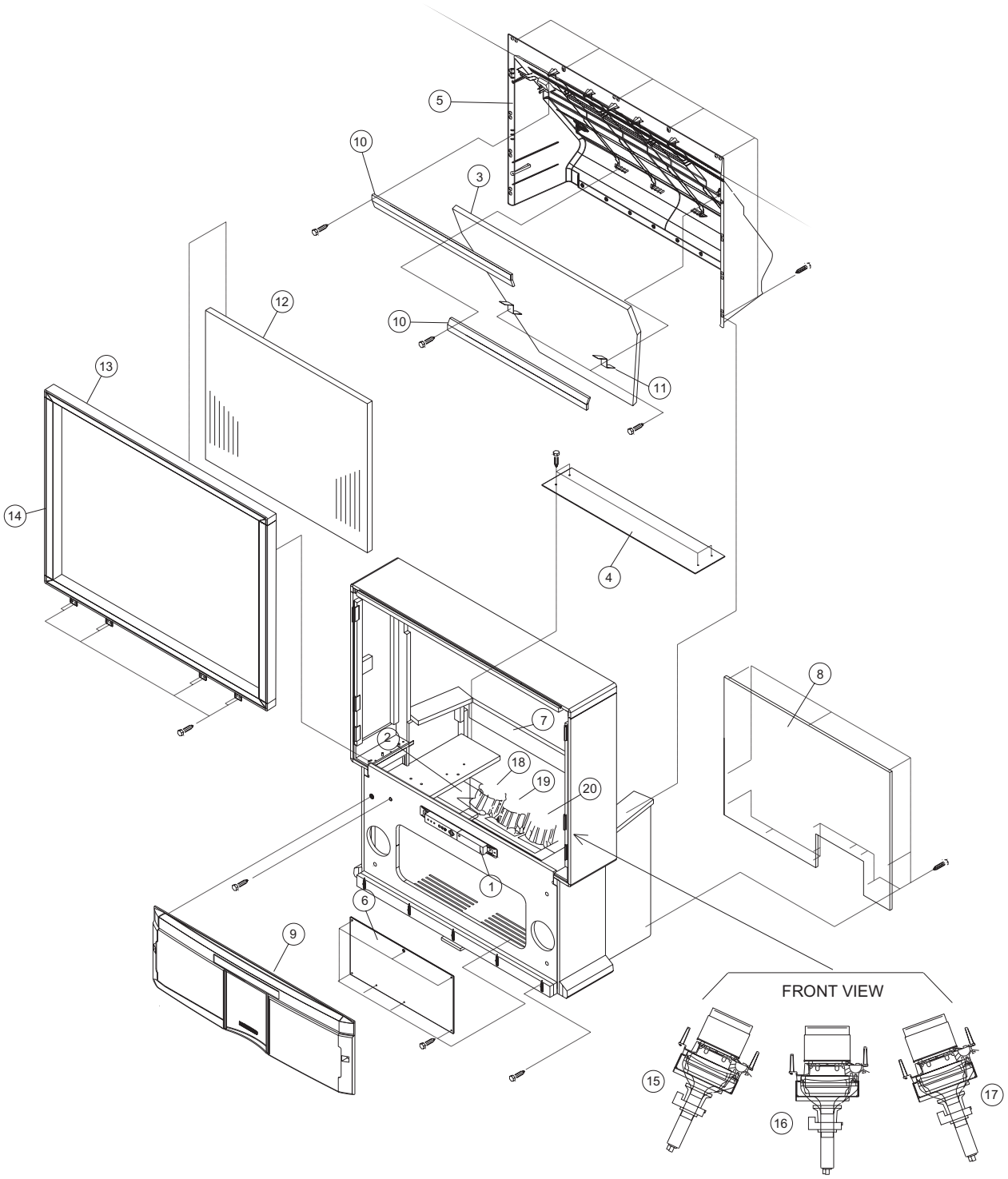



NOTE: (1)
Refer to the figure below about the assembly if FOCUS PACK leads.



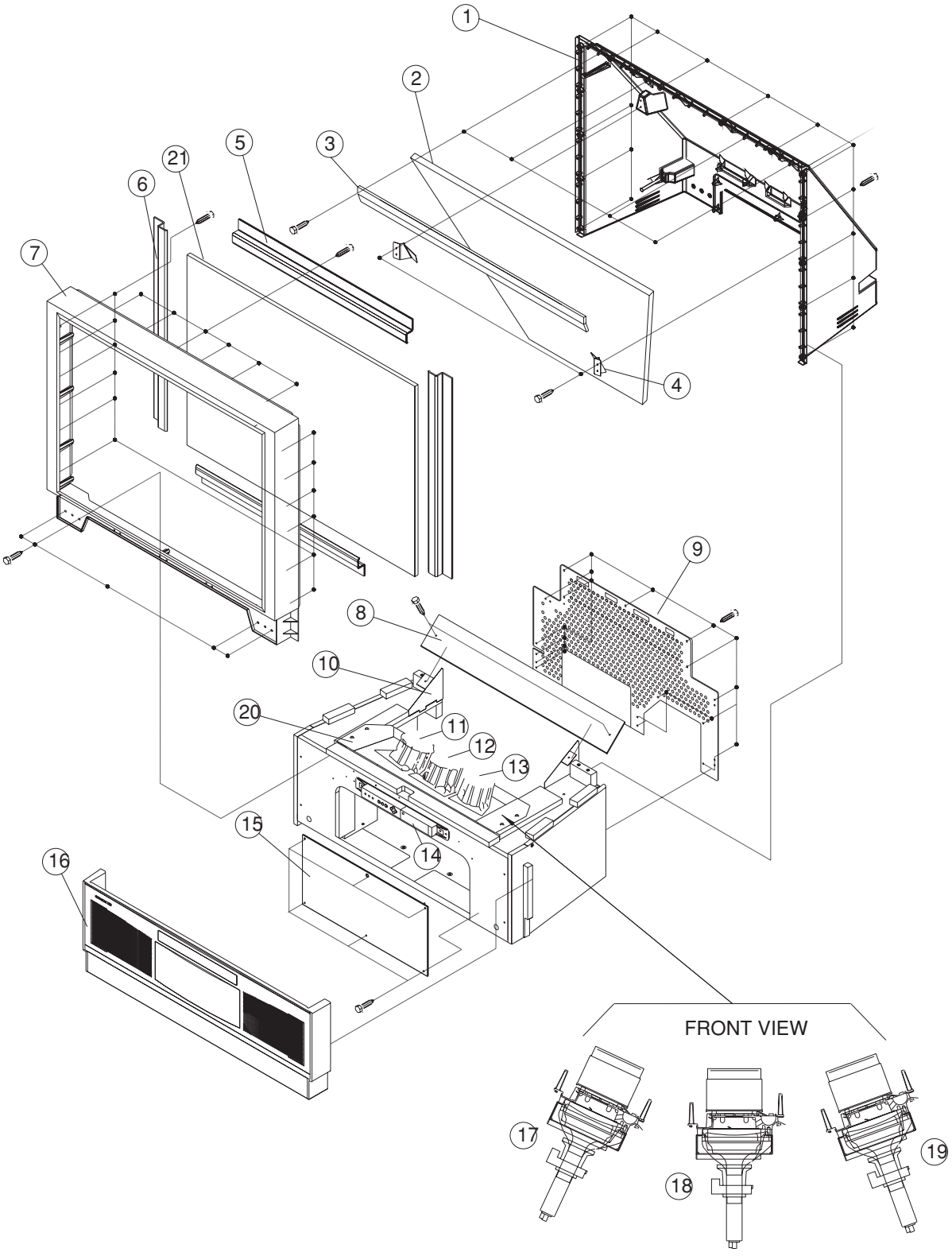

NOTE: (2)

# EXPLODED VIEW
## 53/61SWX and 53/61UWX




**NOTES:** Some parts may appear different than those shown in the exploded view. When ordering, refer to the replacement parts list for the correct part number. The circled numbers correspond to the parts list shown on page 126.

# EXPLODED VIEW
## 43UWX10B




**NOTES:** Some parts may appear different than those shown in the exploded view. When ordering, refer to the replacement parts list for the correct part number. The circled numbers correspond to the parts list shown on page 126.

# Exploded View Parts List

| SYMBOL NO. | PART NO. | PART DESCRIPTION |
|---|---|---|
| | | **43UWX10B EXPLODED VIEW PARTS LIST** |
| 1 | QD21381 | BACK COVER |
| 2 | KS02027 | MIRROR |
| 3 | NA53251 | H. MIRROR METAL |
| 4 | NA52043/4 | CENTRAL METAL R/L |
| 5 | NJ05503 | H. SCREEN METAL |
| 6 | NJ05504 | V. SCREEN METAL |
| 7 | QD21421 | FRAME |
| 8 | 33010411 | BARRIER BOARD |
| 9 | H512278 | LOWER REAR BOARD |
| 10 | NA49723/4 | BARRIER SUPPORT METAL |
| 11 | KQ00823 | DELTA38 C-ELEMENT (R) |
| 12 | KQ00822 | DELTA38 C-ELEMENT (G) |
| 13 | KQ00821 | DELTA38 C-ELEMENT (B) |
| 14 | PH09741 | CONTROL PANEL |
| 15 | 55020084 | FRONT DOOR |
| 16 | PH30661 | SPEAKER GRILLE |
| 17 | UE07781 | CPD-LTG ASSY (R) |
| 18 | UE07782 | CPD-LTG ASSY (G) |
| 19 | UE07783 | CPD-LTG ASSY (B) |
| 20 | NA52171 | 43" LENS CRT METAL |
| 21 | KR01464 | SCREEN ASS'Y |

| SYMBOL NO. | PART NO. | PART DESCRIPTION |
|---|---|---|
| | | **61UWX10B EXPLODED VIEW PARTS LIST** |
| 1 | PH09741 | CONTROL PANEL |
| 2 | NA11681 | MIRROR METAL |
| 3 | KS00163 | MIRROR |
| 4 | N/A | BARRIER BOARD |
| 5 | QG00834 | BACK COVER |
| 6 | 55020083 | FRONT DOOR |
| 7 | 33200073 | BACK CENTER BAR |
| 8 | H512277 | LOWER REAR BOARD |
| 9 | PH09692 | SPEAKER GRILLE |
| 10 | NJ04211 | LONG GRIP |
| 11 | NJ04231/2 | SIDE GRIP |
| 12 | KR01467 | SCREEN ASSY |
| 13 | PH09733 | TOP FRAME |
| 14 | PH09734 | VERTICAL FRAME |
| 15 | UE09064 | CPC-LFM LENS ASSY (R) |
| 16 | UE09065 | CPC-LFM LENS ASSY (G) |
| 17 | UE09066 | CPC-LFM LENS ASSY (B) |
| 18 | KQ00821 | DELTA38 C-ELEMENT (R) |
| 19 | KQ00822 | DELTA38 C-ELEMENT (G) |
| 20 | KQ00823 | DELTA38 C-ELEMENT (B) |

| SYMBOL NO. | PART NO. | PART DESCRIPTION |
|---|---|---|
| | | **53UWX10B EXPLODED VIEW PARTS LIST** |
| 1 | PH09741 | CONTROL PANEL |
| 2 | NA11681 | MIRROR METAL |
| 3 | KS02021 | MIRROR |
| 4 | N/A | BARRIER BOARD |
| 5 | QG00818 | BACK COVER |
| 6 | 55020083 | FRONT DOOR |
| 7 | 33200073 | BACK CENTER BAR |
| 8 | H512286 | LOWER REAR BOARD |
| 9 | PH09672 | SPEAKER GRILLE |
| 10 | NJ04211 | LONG GRIP |
| 11 | NJ0423/4 | SIDE GRIP |
| 12 | KR01466 | SCREEN ASSY |
| 13 | PH09723 | TOP FRAME |
| 14 | PH09724 | VERTICAL FRAME |
| 15 | UE08951 | CPC-LFM LENS ASSY (R) |
| 16 | UE08952 | CPC-LFM LENS ASSY (G) |
| 17 | UE08953 | CPC-LFM LENS ASSY (B) |
| 18 | KQ00821 | DELTA38 C-ELEMENT (R) |
| 19 | KQ00822 | DELTA38 C-ELEMENT (G) |
| 20 | KQ00823 | DELTA38 C-ELEMENT (B) |

| SYMBOL NO. | PART NO. | PART DESCRIPTION |
|---|---|---|
| | | **53SWX10B EXPLODED VIEW PARTS LIST** |
| 1 | PH09741 | CONTROL PANEL |
| 2 | NA11681 | MIRROR METAL |
| 3 | KS02021 | MIRROR |
| 4 | N/A | BARRIER BOARD |
| 5 | QG00817 | BACK COVER |
| 6 | 55020075 | FRONT DOOR |
| 7 | 33200071 | BACK CENTER BAR |
| 8 | H512286 | LOWER REAR BOARD |
| 9 | PH09671 | SPEAKER GRILLE |
| 10 | NJ04211 | LONG GRIP |
| 11 | NJ04233/4 | SIDE GRIP |
| 12 | KR01073 | SCREEN ASSY |
| 13 | PH09723 | TOP FRAME |
| 14 | PH09724 | VERTICAL FRAME |
| 15 | UE08801 | SBB-LFT LENS ASSY (R) |
| 16 | UE08802 | SBB-LFT LENS ASSY (G) |
| 17 | UE08803 | SBB-LFM LENS ASSY (B) |
| 18 | KQ00425K | SBB-1 LENS (R) |
| 19 | KQ00434K | SBB-1 LENS (G) |
| 20 | KQ00431K | SBB-1 LENS (B) |

| SYMBOL NO. | PART NO. | PART DESCRIPTION |
|---|---|---|
| | | **61SWX10B EXPLODED VIEW PARTS LIST** |
| 1 | PH09741 | CONTROL PANEL |
| 2 | NA11705 | MIRROR METAL |
| 3 | KS00166 | MIRROR |
| 4 | N/A | BARRIER BOARD |
| 5 | QD04113 | BACK COVER |
| 6 | 550200085 | FRONT DOOR |
| 7 | 33200073 | BACK CENTER BAR |
| 8 | H512277 | LOWER REAR BOARD |
| 9 | PH09691 | SPEAKER GRILLE |
| 10 | NJ04211 | LONG GRIP |
| 11 | NJ04231/2 | SIDE GRIP |
| 12 | KR01072 | SCREEN ASSY |
| 13 | PH09733 | TOP FRAME |
| 14 | PH09734 | VERTICAL FRAME |
| 15 | UE08801 | SBB-LFT LENS ASSY (R) |
| 16 | UE08802 | SBB-LFT LENS ASSY (G) |
| 17 | UE08803 | SBB-LFT LENS ASSY (B) |
| 18 | KQ00435K | SBB-1 LENS (R) |
| 19 | KQ00434K | SBB-1 LENS (G) |
| 20 | KQ00431K | SBB-1 LENS (B) |

# REPLACEMENT PARTS LIST

PRODUCT SERVICE NOTE: Components marked with a ⚠ have special characteristics important to safety. Before replacing any of these components, read carefully, the PRODUCT SAFETY NOTICE of this Service Manual. Don t degrade the safety of the receiver through improper servicing.

## ABBREVIATIONS

**Capacitors:**
- AL: Aluminum Electrolytic
- CD: Ceramic Disc
- EL: Electrolitic
- PF: Polyester Film
- PP: Polypropylene
- PL: Plastic
- TA: Tantalum
- PR: Paper
- TM: Trimmer
- MC: Mylar

**Resistors:**
- CF: Carbon Film
- CC: Carbon Composition
- MF: Metal Oxide
- VR: Variable Resistor
- WW: Wire Wound
- FR: Fuse Resistor
- MG: Metal Grazed

**Semiconductors:**
- TR: Transistor
- DI: Diode
- ZD: Zener Diode
- VA: Varistor
- TH: Termistor
- IC: Integrated Circuit

| SYMBOL NO. | PART NO. | PART DESCRIPTION |
|---|---|---|
| | | **CAPACITORS** |
| C001 | 0800326R | CAP.-ELECTRO. 100UF-M 16V |
| C002 | 0893232R | CAP 1608CHIP 100000PFZF25V TAPE |
| C003 | 0800326R | CAP.-ELECTRO. 100UF-M 16V |
| C004 | 0893232R | CAP 1608CHIP 100000PFZF25V TAPE |
| C005 | 0800326R | CAP.-ELECTRO. 100UF-M 16V |
| C006 | 0800326R | CAP.-ELECTRO. 100UF-M 16V |
| C007 | 0893232R | CAP 1608CHIP 100000PFZF25V TAPE |
| C008 | 0800294R | CAP.-ELECTRO. 10UF-M(SMG) 50V |
| C009 | 0893119R | CAP 1608CHIP 33PFJCH 50V TAPE |
| C010 | 0893119R | CAP 1608CHIP 33PFJCH 50V TAPE |
| C011 | 0893118R | CAP 1608CHIP 27PFJCH 50V TAPE |
| C012 | 0893118R | CAP 1608CHIP 27PFJCH 50V TAPE |
| C013 | 0893216R | CAP 1608CHIP 3900PFKB 50V TAPE |
| C014 | 0893239R | CAP 1608CHIP 10000PFZF 50V TAPE |
| C015 | 0800326R | CAP.-ELECTRO. 100UF-M 16V |
| C016 | 0800279R | CAP.-ELECTORO. 1.0UF-M(SMG) 50V |
| C017 | 0800279R | CAP.-ELECTORO. 1.0UF-M(SMG) 50V |
| C018 | 0893208R | CAP 1608CHIP 1000PFKB 50V TAPE |
| C019 | 0800319R | CAP.-ELECTRO. 47UF-M 35V |
| C023 | 0893205R | CAP 1608CHIP 560PFKB 50V TAPE |
| C025 | 0893128R | CAP 1608CHIP 150PFJCH 50V TAPE |
| C026 | 0893126R | CAP 1608CHIP 100PFJCH 50V TAPE |
| C027 | 0893232R | CAP 1608CHIP 100000PFZF25V TAPE |
| C028 | 0800326R | CAP.-ELECTRO. 100UF-M 16V |
| C029 | 0893232R | CAP 1608CHIP 100000PFZF25V TAPE |
| C030 | 0893232R | CAP 1608CHIP 100000PFZF25V TAPE |
| C031 | 0893208R | CAP 1608CHIP 1000PFKB 50V TAPE |
| C032 | 0800318R | CAP.-ELECTRO. 47UF-M 25V |
| C034 | 0893232R | CAP 1608CHIP 100000PFZF25V TAPE |
| C035 | 0893208R | CAP 1608CHIP 1000PFKB 50V TAPE |
| C036 | 0800318R | CAP.-ELECTRO. 47UF-M 25V |
| C038 | 0800326R | CAP.-ELECTRO. 100UF-M 16V |
| C039 | 0893208R | CAP 1608CHIP 1000PFKB 50V TAPE (DP17) |
| C040 | 0893208R | CAP 1608CHIP 1000PFKB 50V TAPE (DP17) |
| C041 | 0800326R | CAP.-ELECTRO. 100UF-M 16V |
| C042 | 0893232R | CAP 1608CHIP 100000PFZF25V TAPE |
| C043 | 0893239R | CAP 1608CHIP 10000PFZF 50V TAPE |
| C044 | 0893232R | CAP 1608CHIP 100000PFZF25V TAPE |
| C045 | 0800326R | CAP.-ELECTRO. 100UF-M 16V |
| C046 | 0800279R | CAP.-ELECTORO. 1.0UF-M(SMG) 50V |
| C047 | 0800279R | CAP.-ELECTORO. 1.0UF-M(SMG) 50V (DP17) |
| C047 | 0800318R | CAP.-ELECTRO. 47UF-M 25V (DP14G) |
| C048 | 0800279R | CAP.-ELECTORO. 1.0UF-M(SMG) 50V (DP17) |
| C048 | 0800318R | CAP.-ELECTRO. 47UF-M 25V (DP14G) |
| C049 | 0800279R | CAP.-ELECTORO. 1.0UF-M(SMG) 50V |
| C050 | 0893232R | CAP 1608CHIP 100000PFZF25V TAPE |
| C051 | 0893213R | CAP1608CHIP 2200PFKB 50V TAPE |
| C052 | 0800328R | CAP. ELECTRO. 100UF-M 35V |
| C053 | 0800326R | CAP.-ELECTRO. 100UF-M 16V |
| C054 | 0800294R | CAP.-ELECTRO. 10UF-M(SMG) 50V |
| C055 | 0800326R | CAP.-ELECTRO. 100UF-M 16V |
| C056 | 0893232R | CAP 1608CHIP 100000PFZF25V TAPE |
| C057 | 0893239R | CAP 1608CHIP 10000PFZF 50V TAPE |
| C058 | 0893232R | CAP 1608CHIP 100000PFZF25V TAPE |
| C059 | 0893232R | CAP 1608CHIP 100000PFZF25V TAPE |
| C060 | 0800326R | CAP.-ELECTRO. 100UF-M 16V |
| C064 | 0893232R | CAP 1608CHIP 100000PFZF25V TAPE |
| C065 | 0800294R | CAP.-ELECTRO. 10UF-M(SMG) 50V |
| C071 | 0893125R | CAP 1608CHIP 82PFJCH 50V TAPE |
| C072 | 0893125R | CAP 1608CHIP 82PFJCH 50V TAPE |
| C073 | 0893125R | CAP 1608CHIP 82PFJCH 50V TAPE |
| C074 | 0893205R | CAP 1608CHIP 560PFKB 50V TAPE (DP14G) |
| C074 | 0893207R | CAP 1608CHIP 820PFKB 50V TAPE (DP17) |
| C075 | 0893205R | CAP 1608CHIP 560PFKB 50V TAPE (DP14G) |

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| SYMBOL NO. | PART NO. | PART DESCRIPTION | SYMBOL NO. | PART NO. | PART DESCRIPTION |
|---|---|---|---|---|---|
| C075 | 0893207R | CAP 1608CHIP 820PFKB 50V TAPE (DP17) | C503 | 0893239R | CAP 1608CHIP 10000PFZF 50V TAPE |
| C1A1 | 0800279R | CAP.-ELECTORO. 1.0UF-M(SMG) 50V | C504 | 0800352R | CAP.-ELECTRO.470UF 10V |
| C1A2 | 0800326R | CAP.-ELECTRO. 100UF-M 16V | C505 | 0893239R | CAP 1608CHIP 10000PFZF 50V TAPE |
| C301 | 0800294R | CAP.-ELECTRO. 10UF-M(SMG) 50V | C506 | 0893239R | CAP 1608CHIP 10000PFZF 50V TAPE |
| C302 | 0893239R | CAP 1608CHIP 10000PFZF 50V TAPE | C508 | 0800352R | CAP.-ELECTRO.470UF 10V |
| C303 | AA01101R | CERAMIC CAPACITOR(1UF 10V-F) | C509 | 0893239R | CAP 1608CHIP 10000PFZF 50V TAPE |
| C304 | 0800279R | CAP.-ELECTORO. 1.0UF-M(SMG) 50V | C510 | 0893239R | CAP 1608CHIP 10000PFZF 50V TAPE |
| C305 | 0893135R | CAP 1608CHIP 470PFJCH 50V TAPE | C511 | 0800352R | CAP.-ELECTRO.470UF 10V |
| C306 | 0800326R | CAP.-ELECTRO. 100UF-M 16V | C512 | 0893239R | CAP 1608CHIP 10000PFZF 50V TAPE |
| C307 | 0893239R | CAP 1608CHIP 10000PFZF 50V TAPE | C513 | 0893239R | CAP 1608CHIP 10000PFZF 50V TAPE |
| C308 | AA01101R | CERAMIC CAPACITOR(1UF 10V-F) | C515 | 0800326R | CAP.-ELECTRO. 100UF-M 16V |
| C309 | 0893179R | CAP.CHIP-CERAMIC 100000PF 16V TAPE | C516 | 0893232R | CAP 1608CHIP 100000PFZF25V TAPE |
| C310 | 0893179R | CAP.CHIP-CERAMIC 100000PF 16V TAPE | C551 | 0800326R | CAP.-ELECTRO. 100UF-M 16V |
| C311 | 0800294R | CAP.-ELECTRO. 10UF-M(SMG) 50V | C552 | 0893232R | CAP 1608CHIP 100000PFZF25V TAPE |
| C312 | 0800294R | CAP.-ELECTRO. 10UF-M(SMG) 50V | C553 | 0893179R | CAP.CHIP-CERAMIC 100000PF 16V TAPE |
| C313 | 0893179R | CAP.CHIP-CERAMIC 100000PF 16V TAPE | C554 | 0893232R | CAP 1608CHIP 100000PFZF25V TAPE |
| C314 | 0893179R | CAP.CHIP-CERAMIC 100000PF 16V TAPE | C555 | 0800326R | CAP.-ELECTRO. 100UF-M 16V |
| C315 | AA01101R | CERAMIC CAPACITOR(1UF 10V-F) | C556 | 0893114R | CAP 1608CHIP 12PFJCH 50V TAPE |
| C316 | 0893179R | CAP.CHIP-CERAMIC 100000PF 16V TAPE | C557 | 0800273R | CAP.-ELECTRO 0.22UF-M 50V |
| C317 | 0893179R | CAP.CHIP-CERAMIC 100000PF 16V TAPE | C558 | 0893213R | CAP1608CHIP 2200PFKB 50V TAPE |
| C318 | AA01101R | CERAMIC CAPACITOR(1UF 10V-F) | C559 | 0893222R | CAP 1608CHIP10000PFKB 50V TAPE |
| C319 | AA01101R | CERAMIC CAPACITOR(1UF 10V-F) | C560 | 0800282R | CAP.-ELECTORO. 2.2UF-M(SMG) 50V |
| C320 | 0800294R | CAP.-ELECTRO. 10UF-M(SMG) 50V | C561 | 0893179R | CAP.CHIP-CERAMIC 100000PF 16V TAPE |
| C321 | 0893179R | CAP.CHIP-CERAMIC 100000PF 16V TAPE | C562 | 0800282R | CAP.-ELECTORO. 2.2UF-M(SMG) 50V |
| C322 | 0800282R | CAP.-ELECTORO. 2.2UF-M(SMG) 50V | C563 | 0893217R | CAP 1608CHIP 4700PFKB 50V TAPE |
| C323 | 0800282R | CAP.-ELECTORO. 2.2UF-M(SMG) 50V | C564 | 0893232R | CAP 1608CHIP 100000PFZF25V TAPE |
| C324 | 0893115R | CAP 1608CHIP 15PFJCH 50V TAPE | C565 | 0800326R | CAP.-ELECTRO. 100UF-M 16V |
| C325 | 0893123R | CAP 1608CHIP 56PFJCH 50V TAPE | C566 | 0800294R | CAP.-ELECTRO. 10UF-M(SMG) 50V |
| C326 | 0893115R | CAP 1608CHIP 15PFJCH 50V TAPE | C567 | 0800294R | CAP.-ELECTRO. 10UF-M(SMG) 50V |
| C327 | 0893239R | CAP 1608CHIP 10000PFZF 50V TAPE | C568 | 0800294R | CAP.-ELECTRO. 10UF-M(SMG) 50V |
| C328 | 0800326R | CAP.-ELECTRO. 100UF-M 16V | C569 | 0800294R | CAP.-ELECTRO. 10UF-M(SMG) 50V |
| C329 | 0800294R | CAP.-ELECTRO. 10UF-M(SMG) 50V | C570 | 0893232R | CAP 1608CHIP 100000PFZF25V TAPE |
| C330 | 0800282R | CAP.-ELECTORO. 2.2UF-M(SMG) 50V | C571 | 0893222R | CAP 1608CHIP10000PFKB 50V TAPE |
| C331 | AA01101R | CERAMIC CAPACITOR(1UF 10V-F) | C572 | 0893123R | CAP 1608CHIP 56PFJCH 50V TAPE |
| C332 | 0893179R | CAP.CHIP-CERAMIC 100000PF 16V TAPE | C573 | 0893222R | CAP 1608CHIP10000PFKB 50V TAPE |
| C333 | 0893179R | CAP.CHIP-CERAMIC 100000PF 16V TAPE | C574 | 0893232R | CAP 1608CHIP 100000PFZF25V TAPE |
| C334 | 0893134R | CAP 1608CHIP 390PFJCH 50V TAPE | C575 | 0800326R | CAP.-ELECTRO. 100UF-M 16V |
| C335 | AA01101R | CERAMIC CAPACITOR(1UF 10V-F) | C576 | AA01111R | CERAMIC CAPACITOR(1.0UF 6.3V) |
| C336 | AA01101R | CERAMIC CAPACITOR(1UF 10V-F) | C577 | AA01101R | CERAMIC CAPACITOR(1UF 10V-F) |
| C337 | 0893117R | CAP 1608CHIP 22PFJCH 50V TAPE | C578 | AA01111R | CERAMIC CAPACITOR(1.0UF 6.3V) |
| C338 | 0893117R | CAP 1608CHIP 22PFJCH 50V TAPE | C579 | AA01101R | CERAMIC CAPACITOR(1UF 10V-F) |
| C340 | 0800326R | CAP.-ELECTRO. 100UF-M 16V | C580 | 0893232R | CAP 1608CHIP 100000PFZF25V TAPE |
| C341 | AA01101R | CERAMIC CAPACITOR(1UF 10V-F) | C582 | 0893232R | CAP 1608CHIP 100000PFZF25V TAPE |
| C343 | AA01101R | CERAMIC CAPACITOR(1UF 10V-F) | C5C0 | 0893232R | CAP 1608CHIP 100000PFZF25V TAPE |
| C344 | 0893239R | CAP 1608CHIP 10000PFZF 50V TAPE | C5C1 | 0893132R | CAP 1608CHIP 270PFJCH 50V TAPE |
| C345 | 0893111R | CAP 1608CHIP 8PFCCH 50V TAPE | C5C3 | 0893179R | CAP.CHIP-CERAMIC 100000PF 16V TAPE |
| C346 | 0893179R | CAP.CHIP-CERAMIC 100000PF 16V TAPE | C5C4 | 0893179R | CAP.CHIP-CERAMIC 100000PF 16V TAPE |
| C347 | 0893119R | CAP 1608CHIP 33PFJCH 50V TAPE | C5C5 | 0893179R | CAP.CHIP-CERAMIC 100000PF 16V TAPE |
| C348 | 0800326R | CAP.-ELECTRO. 100UF-M 16V | C5C6 | 0893179R | CAP.CHIP-CERAMIC 100000PF 16V TAPE |
| C349 | 0893239R | CAP 1608CHIP 10000PFZF 50V TAPE | C5C7 | 0893179R | CAP.CHIP-CERAMIC 100000PF 16V TAPE |
| C350 | 0800294R | CAP.-ELECTRO. 10UF-M(SMG) 50V | C5C8 | 0893179R | CAP.CHIP-CERAMIC 100000PF 16V TAPE |
| C351 | 0893119R | CAP 1608CHIP 33PFJCH 50V TAPE | C602 | 0880194R | CAP.-POLYESTER 0.1UF-J 50V |
| C352 | 0800326R | CAP.-ELECTRO. 100UF-M 16V | C603 | 0880055R | CAP.-POLYESTER 0.068UF-KEB 50V |
| C353 | 0893232R | CAP 1608CHIP 100000PFZF25V TAPE | C604 | 0800347N | CAP.-ELECTRO. 330UF-M(SMG) 50V |
| C501 | 0800352R | CAP.-ELECTRO.470UF 10V | C605 | 0800329R | CAP.-ELECTRO. 100UF-M(SMG) 50V |
| C502 | 0893239R | CAP 1608CHIP 10000PFZF 50V TAPE | C606 | AL01162R | CAP.ELECTRO 10UF-M(YXF)50V |

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| SYMBOL NO. | PART NO. | PART DESCRIPTION |
|---|---|---|
| C607 | AL01143S | CAP.ELECTROLYTIC 2200UF-M(YXF)25V |
| C608 | AL01336R | ALUMINIUM ELECT. CAP. PW(10UF 16V ) |
| C609 | 0279692R | CAP.-POLYESTER 0.068UF 100V |
| C610 | 0800318R | CAP.-ELECTRO. 47UF-M 25V |
| C611 | 0800294R | CAP.-ELECTRO. 10UF-M(SMG) 50V |
| C701 | 0800353R | CAP.-ELECTRO.470UF-M 16V |
| C702 | 0880203R | CAP.-POLYESTER 0.47UF-J 50V |
| C703 | 0800279R | CAP.-ELECTORO. 1.0UF-M(SMG) 50V |
| C705 | 0880194R | CAP.-POLYESTER 0.1UF-J 50V |
| C707 | 0244505R | CAP-CER. 0.0022UF-K 500V |
| C708 | 0243509R | CAP.-CER. 470PF-K 500V |
| C709 | 0890081R | CAP.-CER. 330PF 50V |
| ⚠ C710 | AN01646F | 3900PF 1500V METALLIZ PP FILM CAPA (DP17) |
| ⚠ C710 | AN01648F | 4700PF 1500V METALLIZ PP FILM CAPA (DP14G) |
| ⚠ C711 | AN01646F | 3900PF 1500V METALLIZ PP FILM CAPA (DP17) |
| ⚠ C711 | AN01648F | 4700PF 1500V METALLIZ PP FILM CAPA (DP14G) |
| C712 | AN01646F | 3900PF 1500V METALLIZ PP FILM CAPA (DP17) |
| C713 | AN01176F | CAP. 0.39UF 250V METALLIZ PP (DP14G) |
| C713 | AN01178F | CAP. 0.47UF 250V METALLIZ PP (DP17) |
| C714 | AN01176F | CAP. 0.39UF 250V METALLIZ PP (DP14G) |
| C714 | AN01178F | CAP. 0.47UF 250V METALLIZ PP (DP17) |
| C715 | 0284634R | CAP.-ELECTRO 4.7UF-SME(BP) 50V |
| C716 | 0880194R | CAP.-POLYESTER 0.1UF-J 50V |
| C717 | AN01657F | 10000PF 1500V METALLIZ PP FILM CAP |
| C718 | 0244505R | CAP-CER. 0.0022UF-K 500V |
| C719 | 0244505R | CAP-CER. 0.0022UF-K 500V |
| C720 | 0880194R | CAP.-POLYESTER 0.1UF-J 50V |
| C721 | 0800326R | CAP.-ELECTRO. 100UF-M 16V |
| C722 | 0880035R | CAP.-POLY 2200PF-50V |
| C723 | AN01181F | CAP. 0.56UF 250V METALLIZ POLYPROPYLENE |
| C724 | AN01181F | CAP. 0.56UF 250V METALLIZ POLYPROPYLENE |
| C725 | 0880194R | CAP.-POLYESTER 0.1UF-J 50V |
| C801 | 0244136R | CAP.-CER. 270PF-KB B 50V |
| C802 | 0880044R | CAP.-POLYESTER 0.01UF-KEB 50V |
| C803 | 0800279R | CAP.-ELECTORO. 1.0UF-M(SMG) 50V |
| C804 | 0299622F | CAP.-POLYPROPYLENE FILM 0.01UF-J 630V |
| C805 | AL00031R | CAP.-ELECTORO. 33UF-M 250V |
| C807 | 0800352R | CAP.-ELECTRO.470UF 10V |
| C812 | AJ00559 | CAPACITOT CER. 2200PF2KV |
| C813 | AL00025R | CAP.ALMI 2.2UF250V |
| C814 | 0880194R | CAP.-POLYESTER 0.1UF-J 50V |
| C816 | 0890087R | CAP.-CER. 1000PF-K 50V |
| C851 | 0244119R | CAP.-CER. 390PF-K B 50V |
| C852 | 0880044R | CAP.-POLYESTER 0.01UF-KEB 50V |
| C853 | 0800279R | CAP.-ELECTORO. 1.0UF-M(SMG) 50V |
| C854 | AL00031R | CAP.-ELECTORO. 33UF-M 250V |
| C857 | 0800352R | CAP.-ELECTRO.470UF 10V |
| C860 | 0800294R | CAP.-ELECTRO. 10UF-M(SMG) 50V |
| C862 | AJ00559 | CAPACITOT CER. 2200PF2KV |
| C863 | AL00025R | CAP.ALMI 2.2UF250V |
| C864 | 0880194R | CAP.-POLYESTER 0.1UF-J 50V |
| C865 | 0800319R | CAP.-ELECTRO. 47UF-M 35V |
| C866 | 0890087R | CAP.-CER. 1000PF-K 50V |
| C8A1 | 0244136R | CAP.-CER. 270PF-KB B 50V |
| C8A2 | 0880044R | CAP.-POLYESTER 0.01UF-KEB 50V |
| C8A3 | 0800279R | CAP.-ELECTORO. 1.0UF-M(SMG) 50V |
| C8A4 | AL00031R | CAP.-ELECTORO. 33UF-M 250V |
| C8A7 | 0800352R | CAP.-ELECTRO.470UF 10V |
| C8A8 | 0880194R | CAP.-POLYESTER 0.1UF-J 50V |
| C8C0 | 0880194R | CAP.-POLYESTER 0.1UF-J 50V |
| C8C1 | 0800279R | CAP.-ELECTORO. 1.0UF-M(SMG) 50V |
| C8C2 | AJ00559 | CAPACITOT CER. 2200PF2KV |
| C8C3 | AL00025R | CAP.ALMI 2.2UF250V |
| C8C4 | 0890087R | CAP.-CER. 1000PF-K 50V |
| ⚠ C901 | AN01445S | ACROSS CAPA 0.22UF 250V RE224 |
| ⚠ C902 | AN01443S | ACROSS CAPA 0.1UF 250V RE104 |
| ⚠ C903 | AJ00195F | CAP. CER. CK45-F2EA472ZYNN |
| ⚠ C904 | AJ00195F | CAP. CER. CK45-F2EA472ZYNN |
| C905 | AL01743 | CAP.ALUMI.250V 330UF KMH(M) ((DP17) |
| C905 | AL01749 | 120UF 250V KMH(M)AL. ELEC. CAPA (DP14G) |
| C907 | 0299616F | CAP.-POLYPROPYLENE FILM 0.0033UF-J 630V |
| C908 | 0800319R | CAP.-ELECTRO. 47UF-M 35V |
| C909 | 0800329R | CAP.-ELECTRO. 100UF-M(SMG) 50V |
| C910 | 0800319R | CAP.-ELECTRO. 47UF-M 35V |
| ⚠ C911 | AJ00184F | CAP. CER. CD12-E2GA222MYNS |
| ⚠ C912 | AJ00182F | CAP. CER. CD85-E2GA102MYNS |
| C913 | 0243511R | CAP.-CER. 680PF-K 500V TAPE |
| C914 | 0243511R | CAP.-CER. 680PF-K 500V TAPE (DP17) |
| C915 | AL01875R | 1000UF 50V AL ELECTROLYTIC CAP. |
| C916 | AL01875R | 1000UF 50V AL ELECTROLYTIC CAP. (DP17) |
| C917 | 0880198R | CAP.-PLOY. 0.22UF-J 50V |
| C918 | 0880198R | CAP.-PLOY. 0.22UF-J 50V (DP17) |
| C919 | 0244105R | CAP.-CER. 2200PF-K 50V TAPE |
| C920 | 0880009R | CAP.-POLYESTER 0.01UF-K 50V |
| C923 | 0243511R | CAP.-CER. 680PF-K 500V TAPE (DP17) |
| C924 | AL01129S | CAP.ELECTROLYTIC 1000UF-M(YXF)16V (DP17) |
| C925 | 0880194R | CAP.-POLYESTER 0.1UF-J 50V (DP17) |
| C926 | 0800353R | CAP.-ELECTRO.470UF-M 16V (DP17) |
| C927 | 0800353R | CAP.-ELECTRO.470UF-M 16V (DP17) |
| C928 | 0243511R | CAP.-CER. 680PF-K 500V TAPE |
| C929 | AL01129S | CAP.ELECTROLYTIC 1000UF-M(YXF)16V |
| C930 | 0880194R | CAP.-POLYESTER 0.1UF-J 50V |
| C931 | 0800353R | CAP.-ELECTRO.470UF-M 16V |
| C932 | 0800353R | CAP.-ELECTRO.470UF-M 16V |
| C933 | 0800353R | CAP.-ELECTRO.470UF-M 16V (DP17) |
| C934 | 0243503R | CAP.-CER. 150PF-K B 500V |
| C935 | AL01117S | CAP.ELECTR.1000UF-M(YXF)10V |
| C936 | 0800367N | CAP.-ELECTRO. 2200UF-M 16V |
| C937 | 0243511R | CAP.-CER. 680PF-K 500V TAPE (DP17) |
| C938 | AL01128R | CAP.ELECTR.470UF-M(YXF)16V (DP17) |
| C939 | 0800294R | CAP.-ELECTRO. 10UF-M(SMG) 50V (DP17) |
| C940 | 0800319R | CAP.-ELECTRO. 47UF-M 35V |
| C941 | 0800319R | CAP.-ELECTRO. 47UF-M 35V |
| C942 | 0800319R | CAP.-ELECTRO. 47UF-M 35V |
| C943 | 0800319R | CAP.-ELECTRO. 47UF-M 35V |
| C944 | 0800294R | CAP.-ELECTRO. 10UF-M(SMG) 50V |
| C945 | 0800294R | CAP.-ELECTRO. 10UF-M(SMG) 50V |
| C946 | 0880194R | CAP.-POLYESTER 0.1UF-J 50V |
| C948 | 0270425R | CAP.-POLY.1200PF 50V |
| C949 | 0880198R | CAP.-PLOY. 0.22UF-J 50V |
| C950 | 0800361N | CAP.-ELECTRO 1000UF 16V |
| C951 | 0800361N | CAP.-ELECTRO 1000UF 16V |

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| SYMBOL NO. | PART NO. | PART DESCRIPTION | SYMBOL NO. | PART NO. | PART DESCRIPTION |
|---|---|---|---|---|---|
| CA01 | 0800294R | CAP.-ELECTRO. 10UF-M(SMG) 50V (DP14G) | CA88 | 0893179R | CAP.CHIP-CER. 100000PF 16V TAPE (DP14G) |
| CA02 | 0893215R | CAP 1608CHIP 3300PFKB 50V TAPE (DP14G) | CAF1 | 0893135R | CAP 1608CHIP 470PFJCH 50V TAPE (DP14G) |
| CA03 | 0893186R | CER. CAP.(33000PF 16V) (DP14G) | CAF2 | 0893135R | CAP 1608CHIP 470PFJCH 50V TAPE (DP14G) |
| CA04 | 0800294R | CAP.-ELECTRO. 10UF-M(SMG) 50V (DP14G) | CC01 | 0893232R | CAP 1608CHIP 100000PFZF25V TAPE |
| CA05 | 0800294R | CAP.-ELECTRO. 10UF-M(SMG) 50V (DP14G) | CC02 | 0893121R | CAP 1608CHIP 39PFJCH 50V TAPE |
| CA06 | 0893217R | CAP 1608CHIP 4700PFKB 50V TAPE (DP14G) | CC03 | 0893232R | CAP 1608CHIP 100000PFZF25V TAPE |
| CA07 | 0893179R | CAP.CHIP-CER. 100000PF 16V TAPE (DP14G) | CC04 | 0800326R | CAP.-ELECTRO. 100UF-M 16V |
| CA08 | 0284638R | CAP.-ELECTRO. 10UF-SME(BP) 16V (DP14G) | CC05 | 0800279R | CAP.-ELECTORO. 1.0UF-M(SMG) 50V |
| CA09 | 0284623R | CAP.-ELECTRO. 1UF-SME(BP) 50V (DP14G) | CC06 | 0800282R | CAP.-ELECTORO. 2.2UF-M(SMG) 50V |
| CA10 | 0893179R | CAP.CHIP-CER. 100000PF 16V TAPE (DP14G) | CC07 | 0893179R | CAP.CHIP-CER. 100000PF 16V TAPE |
| CA11 | 0800288R | CAP.-ELECTRO. 4.7UF-M(SMG) 50V (DP14G) | CC08 | 0893179R | CAP.CHIP-CER. 100000PF 16V TAPE |
| CA12 | 0800288R | CAP.-ELECTRO. 4.7UF-M(SMG) 50V (DP14G) | CC09 | 0893179R | CAP.CHIP-CER. 100000PF 16V TAPE |
| CA13 | 0893126R | CAP 1608CHIP 100PFJCH 50V TAPE (DP14G) | CC10 | 0893239R | CAP 1608CHIP 10000PFZF 50V TAPE |
| CA14 | 0893126R | CAP 1608CHIP 100PFJCH 50V TAPE (DP14G) | CC11 | 0893232R | CAP 1608CHIP 100000PFZF25V TAPE |
| CA15 | 0893179R | CAP.CHIP-CER. 100000PF 16V TAPE (DP14G) | CC12 | 0893179R | CAP.CHIP-CER. 100000PF 16V TAPE |
| CA16 | 0800326R | CAP.-ELECTRO. 100UF-M 16V (DP14G) | CC13 | 0893179R | CAP.CHIP-CER. 100000PF 16V TAPE |
| CA17 | 0800288R | CAP.-ELECTRO. 4.7UF-M(SMG) 50V (DP14G) | CC14 | 0893179R | CAP.CHIP-CER. 100000PF 16V TAPE |
| CA18 | 0800288R | CAP.-ELECTRO. 4.7UF-M(SMG) 50V (DP14G) | CC15 | 0800282R | CAP.-ELECTORO. 2.2UF-M(SMG) 50V |
| CA19 | 0800288R | CAP.-ELECTRO. 4.7UF-M(SMG) 50V (DP14G) | CC16 | 0893232R | CAP 1608CHIP 100000PFZF25V TAPE |
| CA20 | 0893179R | CAP.CHIP-CER. 100000PF 16V TAPE (DP14G) | CC17 | 0800352R | CAP.-ELECTRO.470UF 10V |
| CA21 | 0284638R | CAP.-ELECTRO. 10UF-SME(BP) 16V (DP14G) | CC18 | 0800361N | CAP.-ELECTRO 1000UF 16V |
| CA22 | 0893179R | CAP.CHIP-CER. 100000PF 16V TAPE (DP14G) | CC19 | 0893232R | CAP 1608CHIP 100000PFZF25V TAPE |
| CA23 | 0893217R | CAP 1608CHIP 4700PFKB 50V TAPE (DP14G) | CC20 | 0800294R | CAP.-ELECTRO. 10UF-M(SMG) 50V |
| CA24 | 0800294R | CAP.-ELECTRO. 10UF-M(SMG) 50V (DP14G) | CC21 | 0893214R | CAP 1608CHIP 2700PFKB 50V TAPE |
| CA25 | 0800294R | CAP.-ELECTRO. 10UF-M(SMG) 50V (DP14G) | CC22 | 0893239R | CAP 1608CHIP 10000PFZF 50V TAPE |
| CA26 | 0893186R | CER. CAP.(33000PF 16V) (DP14G) | CC23 | 0893232R | CAP 1608CHIP 100000PFZF25V TAPE |
| CA27 | 0893215R | CAP 1608CHIP 3300PFKB 50V TAPE (DP14G) | CC24 | 0800352R | CAP.-ELECTRO.470UF 10V |
| CA28 | 0800294R | CAP.-ELECTRO. 10UF-M(SMG) 50V (DP14G) | CC25 | 0800294R | CAP.-ELECTRO. 10UF-M(SMG) 50V |
| CA29 | 0893179R | CAP.CHIP-CER. 100000PF 16V TAPE (DP14G) | CC26 | 0893232R | CAP 1608CHIP 100000PFZF25V TAPE |
| CA30 | 0893222R | CAP 1608CHIP10000PFKB 50V TAPE (DP14G) | CC27 | 0893239R | CAP 1608CHIP 10000PFZF 50V TAPE |
| CA31 | 0880198R | CAP.-PLOY. 0.22UF-J 50V (DP14G) | CC28 | 0284634R | CAP.-ELECTRO 4.7UF-SME(BP) 50V |
| CA32 | 0893217R | CAP 1608CHIP 4700PFKB 50V TAPE (DP14G) | CC29 | 0893232R | CAP 1608CHIP 100000PFZF25V TAPE |
| CA33 | 0893179R | CAP.CHIP-CER. 100000PF 16V TAPE(DP14G) | CC30 | 0800294R | CAP.-ELECTRO. 10UF-M(SMG) 50V |
| CA34 | 0800279R | CAP.-ELECTORO. 1.0UF-M(SMG) 50V (DP14G) | CC31 | 0800294R | CAP.-ELECTRO. 10UF-M(SMG) 50V |
| CA35 | 0800326R | CAP.-ELECTRO. 100UF-M 16V (DP14G) | CC32 | 0800326R | CAP.-ELECTRO. 100UF-M 16V |
| CA36 | 0893179R | CAP.CHIP-CER. 100000PF 16V TAPE (DP14G) | CC33 | 0893222R | CAP 1608CHIP10000PFKB 50V TAPE |
| CA37 | 0800326R | CAP.-ELECTRO. 100UF-M 16V (DP14G) | CC34 | 0893222R | CAP 1608CHIP10000PFKB 50V TAPE |
| CA38 | 0800294R | CAP.-ELECTRO. 10UF-M(SMG) 50V (DP14G) | CC35 | 0893222R | CAP 1608CHIP10000PFKB 50V TAPE |
| CA39 | 0800294R | CAP.-ELECTRO. 10UF-M(SMG) 50V (DP14G) | CC36 | 0893232R | CAP 1608CHIP 100000PFZF25V TAPE |
| CA40 | 0800294R | CAP.-ELECTRO. 10UF-M(SMG) 50V (DP14G) | CC37 | 0800326R | CAP.-ELECTRO. 100UF-M 16V |
| CA41 | 0800294R | CAP.-ELECTRO. 10UF-M(SMG) 50V (DP14G) | CC38 | 0893179R | CAP.CHIP-CER. 100000PF 16V TAPE |
| CA42 | 0880203R | CAP.-POLYESTER 0.47UF-J 50V (DP14G) | CC39 | 0893179R | CAP.CHIP-CER. 100000PF 16V TAPE |
| CA43 | 0880201R | CAP.-POLYESTER 0.33UF-J 50V (DP14G) | CC40 | 0893179R | CAP.CHIP-CER. 100000PF 16V TAPE |
| CA44 | 0893222R | CAP 1608CHIP10000PFKB 50V TAPE (DP14G) | CC41 | 0893179R | CAP.CHIP-CER. 100000PF 16V TAPE |
| CA45 | 0893186R | CER. CAP.(33000PF 16V) (DP14G) | CC42 | 0893179R | CAP.CHIP-CER. 100000PF 16V TAPE |
| CA46 | 0800294R | CAP.-ELECTRO. 10UF-M(SMG) 50V (DP14G) | CC43 | 0893179R | CAP.CHIP-CER. 100000PF 16V TAPE |
| CA47 | 0800294R | CAP.-ELECTRO. 10UF-M(SMG) 50V (DP14G) | CC45 | 0893239R | CAP 1608CHIP 10000PFZF 50V TAPE |
| CA67 | 0800326R | CAP.-ELECTRO. 100UF-M 16V (DP14G) | CC46 | 0800326R | CAP.-ELECTRO. 100UF-M 16V |
| CA68 | 0284638R | CAP.-ELECTRO. 10UF-SME(BP) 16V (DP14G) | CC47 | 0893232R | CAP 1608CHIP 100000PFZF25V TAPE |
| CA69 | 0800294R | CAP.-ELECTRO. 10UF-M(SMG) 50V (DP14G) | CC50 | 0893232R | CAP 1608CHIP 100000PFZF25V TAPE |
| CA70 | 0800294R | CAP.-ELECTRO. 10UF-M(SMG) 50V (DP14G) | CC51 | 0800326R | CAP.-ELECTRO. 100UF-M 16V |
| CA71 | 0284638R | CAP.-ELECTRO. 10UF-SME(BP) 16V (DP14G) | CC52 | 0893232R | CAP 1608CHIP 100000PFZF25V TAPE |
| CA72 | 0800294R | CAP.-ELECTRO. 10UF-M(SMG) 50V (DP14G) | CC55 | 0893232R | CAP 1608CHIP 100000PFZF25V TAPE |
| CA73 | 0800294R | CAP.-ELECTRO. 10UF-M(SMG) 50V (DP14G) | CC56 | 0893232R | CAP 1608CHIP 100000PFZF25V TAPE |
| CA81 | 0800326R | CAP.-ELECTRO. 100UF-M 16V (DP14G) | CC59 | 0893232R | CAP 1608CHIP 100000PFZF25V TAPE |
| CA86 | 0800326R | CAP.-ELECTRO. 100UF-M 16V (DP14G) | CC60 | 0893232R | CAP 1608CHIP 100000PFZF25V TAPE |

PRODUCT SERVICE NOTE: Components marked with a ⚠ have special characteristics important to safety. Before replacing any of these components, read carefully, the PRODUCT SAFETY NOTICE of this Service Manual. Don t degrade the safety of the receiver through improper servicing.

| SYMBOL NO. | PART NO. | PART DESCRIPTION |
|---|---|---|
| CC64 | 0893232R | CAP 1608CHIP 100000PFZF25V TAPE |
| CC65 | 0893232R | CAP 1608CHIP 100000PFZF25V TAPE |
| CC66 | 0800326R | CAP.-ELECTRO. 100UF-M 16V |
| CC67 | 0893232R | CAP 1608CHIP 100000PFZF25V TAPE |
| CC68 | 0800326R | CAP.-ELECTRO. 100UF-M 16V |
| CC69 | 0800326R | CAP.-ELECTRO. 100UF-M 16V |
| CC70 | 0893232R | CAP 1608CHIP 100000PFZF25V TAPE |
| CC71 | 0800326R | CAP.-ELECTRO. 100UF-M 16V |
| CC72 | 0800326R | CAP.-ELECTRO. 100UF-M 16V |
| CC73 | 0893232R | CAP 1608CHIP 100000PFZF25V TAPE |
| CC74 | 0800326R | CAP.-ELECTRO. 100UF-M 16V |
| CC75 | 0800326R | CAP.-ELECTRO. 100UF-M 16V |
| CC76 | 0800326R | CAP.-ELECTRO. 100UF-M 16V |
| CE02 | 0800321R | CAP.-ELECTRO. 47UF-M 50V |
| CE03 | 0880194R | CAP.-POLYESTER 0.1UF-J 50V |
| CE04 | 0890066R | CAP.CER. 27PF-J 50V |
| CE05 | 0800294R | CAP.-ELECTRO. 10UF-M(SMG) 50V |
| CE06 | 0880044R | CAP.-POLYESTER 0.01UF-KEB 50V |
| CE07 | 0890061R | CAP.-CER. 10PF- 50V |
| CE09 | 0880194R | CAP.-POLYESTER 0.1UF-J 50V |
| CE10 | 0800321R | CAP.-ELECTRO. 47UF-M 50V |
| CE13 | 0244541F | CAP.-CER. 0.01MF-K B 500V |
| CE14 | 0244541F | CAP.-CER. 0.01MF-K B 500V |
| CE15 | 0880039R | CAP.-POLYESTER 0.0047UF-KEB50V |
| CE16 | 0800294R | CAP.-ELECTRO. 10UF-M(SMG) 50V |
| CE24 | 0800294R | CAP.-ELECTRO. 10UF-M(SMG) 50V |
| CE25 | AL00027R | CAP.-ELECTORO. 4.7UF-M 250V |
| CE26 | AL01166R | CAP.ELECTROLYTIC 100UF-M(YXF)50V |
| CE27 | AL01166R | CAP.ELECTROLYTIC 100UF-M(YXF)50V |
| CE28 | 0800303R | CAP.-ELECTRO. 22UF-M 50V |
| CE29 | 0800303R | CAP.-ELECTRO. 22UF-M 50V |
| CE30 | 0247848R | CAP.-CER. 56PF-J SL 500V |
| CE31 | 0247848R | CAP.-CER. 56PF-J SL 500V |
| CE32 | AL00032R | CAP.-ELECTORO. 47UF-M 250V |
| CE33 | 0244541F | CAP.-CER. 0.01MF-K B 500V |
| CF01 | 0800294R | CAP.-ELECTRO. 10UF-M(SMG) 50V |
| CF02 | 0255520R | CAP.-ELECTRO 0.47UF 250V(KME) |
| CF03 | AN01631F | 1000PF1500VMETALLIZ POLYPROPYLENE FILM CAPA |
| CF04 | 0880034R | CAP.-POLYESTER 0.0018UF-KEB50V |
| CF05 | 0800294R | CAP.-ELECTRO. 10UF-M(SMG) 50V |
| CF06 | 0800294R | CAP.-ELECTRO. 10UF-M(SMG) 50V |
| CF18 | 0245158 | CAPACITOT CER. 68PF/2KV |
| CF19 | 0245156 | CAPACITOT CER. 22PF/2KV |
| CH01 | 0800326R | CAP.-ELECTRO. 100UF-M 16V |
| CH02 | 0890074R | CAP.-CER. 100PF-J 50V |
| CH03 | 0880044R | CAP.-POLYESTER 0.01UF-KEB 50V |
| CH05 | 0800294R | CAP.-ELECTRO. 10UF-M(SMG) 50V |
| CH06 | 0800279R | CAP.-ELECTORO. 1.0UF-M(SMG) 50V |
| CH07 | 0880033R | CAP.-POLYESTER 0.0015UF-KEB50V |
| CH08 | 0800326R | CAP.-ELECTRO. 100UF-M 16V |
| CH09 | 0880198R | CAP.-PLOY. 0.22UF-J 50V |
| CH10 | 0880194R | CAP.-POLYESTER 0.1UF-J 50V |
| ⚠ CH13 | AN01113F | 1200PF 1800V METALLIZ POLYPROPYLENE FILM CAPA |
| CH14 | 0279693R | CAP.-POLYESTER FLM 0.1UF |
| CH15 | 0880038R | CAP.-POLYESTER 0.0039UF-KEB50V |
| CH16 | AL01724 | CAP.ALUMI.160V 390UF KMH(M) |
| CH17 | 0284623R | CAP.-ELECTRO. 1UF-SME(BP) 50V |
| CH18 | 0880198R | CAP.-PLOY. 0.22UF-J 50V |
| CH19 | 0284623R | CAP.-ELECTRO. 1UF-SME(BP) 50V |
| CH20 | AN01111F | 1000PF 1800V METALLIZ POLYPROPYLENE FILM CAPA |
| CJ01 | 0800279R | CAP.-ELECTORO. 1.0UF-M(SMG) 50V |
| CJ02 | 0800279R | CAP.-ELECTORO. 1.0UF-M(SMG) 50V |
| CJ04 | 0800279R | CAP.-ELECTORO. 1.0UF-M(SMG) 50V |
| CJ05 | 0800279R | CAP.-ELECTORO. 1.0UF-M(SMG) 50V |
| CJ06 | 0893208R | CAP 1608CHIP 1000PFKB 50V TAPE |
| CJ07 | 0893208R | CAP 1608CHIP 1000PFKB 50V TAPE |
| CJ08 | AA01111R | CER. CAP.(1.0UF 6.3V) |
| CJ09 | AA01111R | CER. CAP.(1.0UF 6.3V) |
| CJ10 | 0800318R | CAP.-ELECTRO. 47UF-M 25V |
| CJ11 | 0800318R | CAP.-ELECTRO. 47UF-M 25V |
| CJ12 | 0880194R | CAP.-POLYESTER 0.1UF-J 50V |
| CJ13 | 0893232R | CAP 1608CHIP 100000PFZF25V TAPE |
| CJ14 | 0284824F | CAP.-ELECTRO. 2200UF 35V |
| CJ15 | 0800328R | CAP. ELECTRO. 100UF-M 35V |
| CJ16 | 0800328R | CAP. ELECTRO. 100UF-M 35V |
| CJ17 | 0800318R | CAP.-ELECTRO. 47UF-M 25V |
| CJ18 | 0284824F | CAP.-ELECTRO. 2200UF 35V |
| CJ19 | 0893227R | CER. CAP.(220000PF 16V) |
| CJ20 | 0893227R | CER. CAP.(220000PF 16V) |
| CJ21 | 0284824F | CAP.-ELECTRO. 2200UF 35V |
| CJ22 | 0893227R | CER. CAP.(220000PF 16V) |
| CJ23 | 0893227R | CER. CAP.(220000PF 16V) |
| CJ26 | 0258616 | CAP.-ELECTRO 2.2UF-M 50V (DP17) |
| CJ27 | 0258616 | CAP.-ELECTRO 2.2UF-M 50V (DP17) |
| CJ28 | 0800279R | CAP.-ELECTORO. 1.0UF-M(SMG) 50V (DP17) |
| CJ29 | 0800279R | CAP.-ELECTORO. 1.0UF-M(SMG) 50V (DP17) |
| CJ30 | 0800279R | CAP.-ELECTORO. 1.0UF-M(SMG) 50V (DP17) |
| CJ31 | 0800279R | CAP.-ELECTORO. 1.0UF-M(SMG) 50V (DP17) |
| CJ32 | 0893208R | CAP 1608CHIP 1000PFKB 50V TAPE (DP17) |
| CJ33 | 0893208R | CAP 1608CHIP 1000PFKB 50V TAPE (DP17) |
| CJ35 | AA01111R | CER. CAP.(1.0UF 6.3V) (DP17) |
| CJ36 | 0893232R | CAP 1608CHIP 100000PFZF25V TAPE (DP17) |
| CJ37 | AA01111R | CER. CAP.(1.0UF 6.3V) (DP17) |
| CJ38 | 0800318R | CAP.-ELECTRO. 47UF-M 25V (DP17) |
| CJ39 | 0800318R | CAP.-ELECTRO. 47UF-M 25V (DP17) |
| CJ40 | 0880194R | CAP.-POLYESTER 0.1UF-J 50V (DP17) |
| CJ41 | 0800328R | CAP. ELECTRO. 100UF-M 35V (DP17) |
| CJ42 | 0800328R | CAP. ELECTRO. 100UF-M 35V (DP17) |
| CJ43 | 0800318R | CAP.-ELECTRO. 47UF-M 25V (DP17) |
| CJ44 | 0284824F | CAP.-ELECTRO. 2200UF 35V (DP17) |
| CJ45 | 0284824F | CAP.-ELECTRO. 2200UF 35V (DP17) |
| CJ46 | 0893227R | CER. CAP.(220000PF 16V) (DP17) |
| CJ47 | 0893227R | CER. CAP.(220000PF 16V) (DP17) |
| CJ49 | 0284824F | CAP.-ELECTRO. 2200UF 35V (DP17) |
| CJ50 | 0893227R | CER. CAP.(220000PF 16V) (DP17) |
| CJ51 | 0893227R | CER. CAP.(220000PF 16V) (DP17) |
| CJ53 | 0284634R | CAP.-ELECTRO 4.7UF-SME(BP) 50V (DP17) |
| CJ54 | 0800288R | CAP.-ELECTRO. 4.7UF-M(SMG) 50V (DP17) |
| CJ55 | 0800326R | CAP.-ELECTRO. 100UF-M 16V (DP17) |
| CJ56 | 0800294R | CAP.-ELECTRO. 10UF-M(SMG) 50V (DP17) |
| CJ57 | 0800294R | CAP.-ELECTRO. 10UF-M(SMG) 50V (DP17) |
| CJ58 | 0284634R | CAP.-ELECTRO 4.7UF-SME(BP) 50V (DP17) |

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| SYMBOL NO. | PART NO. | PART DESCRIPTION | SYMBOL NO. | PART NO. | PART DESCRIPTION |
|---|---|---|---|---|---|
| CK01 | 0800335R | CAP.-ELECTRO. 220UF-M(SMG) 16V | CN03 | 0800288R | CAP.-ELECTRO. 4.7UF-M(SMG) 50V |
| CK03 | 0800326R | CAP.-ELECTRO. 100UF-M 16V | CN04 | 0800279R | CAP.-ELECTORO. 1.0UF-M(SMG) 50V |
| CK04 | 0880194R | CAP.-POLYESTER 0.1UF-J 50V | CN05 | 0880035R | CAP.-POLY 2200PF-50V |
| CK05 | 0800353R | CAP.-ELECTRO.470UF-M 16V | CN06 | 0800326R | CAP.-ELECTRO. 100UF-M 16V |
| CK06 | 0880194R | CAP.-POLYESTER 0.1UF-J 50V | ⚠ CP01 | AJ00195F | CAP. CER. CK45-F2EA472ZYNN |
| CK07 | 0800326R | CAP.-ELECTRO. 100UF-M 16V | ⚠ CP02 | AJ00195F | CAP. CER. CK45-F2EA472ZYNN |
| CK08 | 0880194R | CAP.-POLYESTER 0.1UF-J 50V | CP03 | 0284795F | CAP.ALUMI.250V 680UF MXR |
| CK09 | 0880194R | CAP.-POLYESTER 0.1UF-J 50V | CP04 | 0284795F | CAP.ALUMI.250V 680UF MXR |
| CK10 | 0800326R | CAP.-ELECTRO. 100UF-M 16V | CP05 | 0800337R | CAP.-ELECTRO 220UF 35V (SMG TY PE) |
| CK11 | 0880035R | CAP.-POLY 2200PF-50V | CP06 | 0880194R | CAP.-POLYESTER 0.1UF-J 50V |
| CK12 | 0890076R | CAP.CER. 150PF-K 50V | CP07 | 0890085R | CAP.-CER. 680PF-K 50V |
| CK15 | 0880031R | CAP.-POLY.1000PF-K 50V | CP09 | 0299616F | CAP.-POLYPROPYLENE FILM 0.0033UF-J 630V |
| CK18 | 0880044R | CAP.-POLYESTER 0.01UF-KEB 50V | ⚠ CP10 | AJ00182F | CAP. CER. CD85-E2GA102MYNS |
| CK19 | 0880044R | CAP.-POLYESTER 0.01UF-KEB 50V | CP11 | 0880194R | CAP.-POLYESTER 0.1UF-J 50V |
| CK20 | 0890076R | CAP.CER. 150PF-K 50V | CP12 | 0800352R | CAP.-ELECTRO.470UF 10V |
| CK21 | 0890076R | CAP.CER. 150PF-K 50V | CP13 | 0243509R | CAP.-CER. 470PF-K 500V |
| CK22 | 0890083R | CAP.-CER. 470PF-K 50V | CP14 | 0244501R | CAP.-CER. 1000PF-K 500V |
| CK23 | 0890076R | CAP.CER. 150PF-K 50V | CP15 | 0243511R | CAP.-CER. 680PF-K 500V TAPE |
| CK24 | 0890076R | CAP.CER. 150PF-K 50V | CP16 | 0244501R | CAP.-CER. 1000PF-K 500V |
| CK25 | 0890076R | CAP.CER. 150PF-K 50V | CP17 | 0244202R | CAP. CER. DE0907R471K2K |
| CK27 | 0800356N | CAP.-ELECTRO. 470UF-M 50V | CP18 | 0244202R | CAP. CER. DE0907R471K2K |
| CK28 | 0800356N | CAP.-ELECTRO. 470UF-M 50V | CP19 | 0880194R | CAP.-POLYESTER 0.1UF-J 50V |
| CK29 | 0890076R | CAP.CER. 150PF-K 50V | CP20 | AL01851R | 2200UF 16V ALUMINIUM ELECTROLYTIC CAP. |
| CK30 | 0890076R | CAP.CER. 150PF-K 50V | CP21 | 0880194R | CAP.-POLYESTER 0.1UF-J 50V |
| CK31 | 0890076R | CAP.CER. 150PF-K 50V | CP22 | AL01851R | 2200UF 16V ALUMINIUM ELECTROLYTIC CAP. |
| CK32 | 0890076R | CAP.CER. 150PF-K 50V | CP23 | AL01129S | CAP.ELECTROLYTIC 1000UF-M(YXF)16V |
| CK33 | 0890076R | CAP.CER. 150PF-K 50V | CP24 | 0243511R | CAP.-CER. 680PF-K 500V TAPE |
| CK34 | 0890076R | CAP.CER. 150PF-K 50V | CP25 | 0284405R | CAP.-ELECTRO. 220UF-M 16V |
| CK36 | 0800355N | CAP.ELECTRO. 470UF-M 35V | CP26 | AL01129S | CAP.ELECTROLYTIC 1000UF-M(YXF)16V |
| CK37 | 0800355N | CAP.ELECTRO. 470UF-M 35V | CP27 | AL01129S | CAP.ELECTROLYTIC 1000UF-M(YXF)16V |
| CK43 | 0880044R | CAP.-POLYESTER 0.01UF-KEB 50V | CP28 | AL01153S | CAP.ELECTR. 1000UF-M 35V |
| CL01 | 0880053R | CAP.-POLYESTER 0.047UF-KEB 50V | CP29 | AL01153S | CAP.ELECTR. 1000UF-M 35V |
| CL02 | 0880053R | CAP.-POLYESTER 0.047UF-KEB 50V | CP30 | 0800355N | CAP.ELECTRO. 470UF-M 35V |
| CL03 | 0880053R | CAP.-POLYESTER 0.047UF-KEB 50V (DP17) | CP31 | 0800355N | CAP.ELECTRO. 470UF-M 35V |
| CL04 | 0880053R | CAP.-POLYESTER 0.047UF-KEB 50V (DP17) | CP32 | AL01723 | CAP.ALUMI.160V 330UF KMH(M) |
| CL05 | 0880053R | CAP.-POLYESTER 0.047UF-KEB 50V (DP17) | CP33 | AL02323 | CE-101M251EW(KMX)D16 |
| CL06 | 0880053R | CAP.-POLYESTER 0.047UF-KEB 50V (DP17) | CP34 | 0800319R | CAP.-ELECTRO. 47UF-M 35V |
| CL07 | 0880053R | CAP.-POLYESTER 0.047UF-KEB 50V | CP35 | 0800279R | CAP.-ELECTORO. 1.0UF-M(SMG) 50V |
| CL08 | 0880053R | CAP.-POLYESTER 0.047UF-KEB 50V | CP36 | 0800303R | CAP.-ELECTRO. 22UF-M 50V |
| CL09 | 0800326R | CAP.-ELECTRO. 100UF-M 16V | CP37 | 0800326R | CAP.-ELECTRO. 100UF-M 16V |
| CL10 | 0880194R | CAP.-POLYESTER 0.1UF-J 50V | CP38 | 0800334R | CAP.-ELECTRO. 220UF 10V |
| CM01 | 0800303R | CAP.-ELECTRO. 22UF-M 50V | CP39 | AL01129S | CAP.ELECTROLYTIC 1000UF-M(YXF)16V |
| CM02 | 0880044R | CAP.-POLYESTER 0.01UF-KEB 50V | CP40 | 0800361N | CAP.-ELECTRO 1000UF 16V |
| CM03 | 0800279R | CAP.-ELECTORO. 1.0UF-M(SMG) 50V | CP42 | AL01117S | CAP.ELECTR.1000UF-M(YXF)10V |
| CM04 | 0880044R | CAP.-POLYESTER 0.01UF-KEB 50V | CP43 | AL01117S | CAP.ELECTR.1000UF-M(YXF)10V |
| CM05 | 0880044R | CAP.-POLYESTER 0.01UF-KEB 50V | CS01 | 0800318R | CAP.-ELECTRO. 47UF-M 25V (DP17) |
| CM06 | 0880194R | CAP.-POLYESTER 0.1UF-J 50V | CS02 | 0893179R | CAP.CHIP-CER. 100000PF 16V TAPE (DP17) |
| CM09 | 0880044R | CAP.-POLYESTER 0.01UF-KEB 50V | CS11 | 0893222R | CAP 1608CHIP10000PFKB 50V TAPE (DP17) |
| CM10 | 0800294R | CAP.-ELECTRO. 10UF-M(SMG) 50V | CS13 | 0893179R | CAP.CHIP-CER. 100000PF 16V TAPE (DP17) |
| CM11 | 0800294R | CAP.-ELECTRO. 10UF-M(SMG) 50V | CS15 | 0893126R | CAP 1608CHIP 100PFJCH 50V TAPE (DP17) |
| CM12 | 0800318R | CAP.-ELECTRO. 47UF-M 25V | CS17 | 0893179R | CAP.CHIP-CER. 100000PF 16V TAPE (DP17) |
| CM14 | 0880194R | CAP.-POLYESTER 0.1UF-J 50V | CS18 | 0893126R | CAP 1608CHIP 100PFJCH 50V TAPE (DP17) |
| CM15 | 0880194R | CAP.-POLYESTER 0.1UF-J 50V | CS19 | 0893179R | CAP.CHIP-CER. 100000PF 16V TAPE (DP17) |
| CM16 | 0880194R | CAP.-POLYESTER 0.1UF-J 50V | CS21 | 0893126R | CAP 1608CHIP 100PFJCH 50V TAPE (DP17) |
| CN01 | 0890084R | CAP.-CER. 560PF-K 50V | CS23 | 0893179R | CAP.CHIP-CER. 100000PF 16V TAPE (DP17) |
| CN02 | 0880051R | CAP.-POLYESTER 0.033UF-KEB 50V | CS24 | 0893176R | CAP.CHIP-CER. 56000PF 16V TAPE (DP17) |

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| SYMBOL NO. | PART NO. | PART DESCRIPTION | SYMBOL NO. | PART NO. | PART DESCRIPTION |
|---|---|---|---|---|---|
| CS25 | 0880195R | CAP.-POLYESTER 0.12UF-J 50V TAPE (DP17) | CS94 | 0284638R | CAP.-ELECTRO. 10UF-SME(BP) 16V (DP17) |
| CS26 | 0893179R | CAP.CHIP-CER. 100000PF 16V TAPE (DP17) | CS95 | 0893179R | CAP.CHIP-CER. 100000PF 16V TAPE (DP17) |
| CS28 | 0893126R | CAP 1608CHIP 100PFJCH 50V TAPE (DP17) | CS96 | AA01121R | CER. CAP.(0.47UF 10V) (DP17) |
| CS30 | 0893179R | CAP.CHIP-CER. 100000PF 16V TAPE (DP17) | CS97 | 0893198R | CER. CAP.(27000PF 25V) (DP17) |
| CS31 | 0893126R | CAP 1608CHIP 100PFJCH 50V TAPE (DP17) | CS98 | 0893226R | CER. CAP.(150000PF 16V) (DP17) |
| CS32 | 0893179R | CAP.CHIP-CER. 100000PF 16V TAPE (DP17) | CS99 | 0893218R | CAP 1608CHIP 5600PFKB 50V TAPE (DP17) |
| CS33 | 0800326R | CAP.-ELECTRO. 100UF-M 16V (DP17) | CSA1 | 0893186R | CER. CAP.(33000PF 16V) (DP17) |
| CS34 | 0284638R | CAP.-ELECTRO. 10UF-SME(BP) 16V (DP17) | CSA2 | 0893213R | CAP1608CHIP 2200PFKB 50V TAPE (DP17) |
| CS35 | 0284638R | CAP.-ELECTRO. 10UF-SME(BP) 16V (DP17) | CSA3 | 0893222R | CAP 1608CHIP10000PFKB 50V TAPE (DP17) |
| CS36 | 0284638R | CAP.-ELECTRO. 10UF-SME(BP) 16V (DP17) | CSA4 | 0893206R | CAP 1608CHIP 680PFKB 50V TAPE (DP17) |
| CS37 | 0284638R | CAP.-ELECTRO. 10UF-SME(BP) 16V (DP17) | CSA5 | 0893213R | CAP1608CHIP 2200PFKB 50V TAPE (DP17) |
| CS38 | 0284638R | CAP.-ELECTRO. 10UF-SME(BP) 16V (DP17) | CSA6 | 0284638R | CAP.-ELECTRO. 10UF-SME(BP) 16V (DP17) |
| CS39 | 0284638R | CAP.-ELECTRO. 10UF-SME(BP) 16V (DP17) | CSA7 | 0893179R | CAP.CHIP-CER. 100000PF 16V TAPE (DP17) |
| CS40 | 0893221R | CAP 1608CHIP 8200PFKB 50V TAPE (DP17) | CSA9 | 0284638R | CAP.-ELECTRO. 10UF-SME(BP) 16V (DP17) |
| CS41 | 0893245R | CAP 1608CHIP 15000PFKB 50V TAPE (DP17) | CSE2 | 0284638R | CAP.-ELECTRO. 10UF-SME(BP) 16V (DP17) |
| CS42 | AA01128R | CER. CAP.(0.33UF 10V) (DP17) | CSE3 | 0893186R | CER. CAP.(33000PF 16V) (DP17) |
| CS43 | AA01128R | CER. CAP.(0.33UF 10V) (DP17) | CSE4 | 0284623R | CAP.-ELECTRO. 1UF-SME(BP) 50V (DP17) |
| CS44 | 0893245R | CAP 1608CHIP 15000PFKB 50V TAPE (DP17) | CSE5 | 0893179R | CAP.CHIP-CER. 100000PF 16V TAPE (DP17) |
| CS45 | 0893221R | CAP 1608CHIP 8200PFKB 50V TAPE (DP17) | CSE7 | 0893126R | CAP 1608CHIP 100PFJCH 50V TAPE (DP17) |
| CS46 | 0284628R | CAP.-ELECTRO. 3.3UF-SME(BP)50V (DP17) | CSE8 | 0893179R | CAP.CHIP-CER. 100000PF 16V TAPE (DP17) |
| CS47 | 0284628R | CAP.-ELECTRO. 3.3UF-SME(BP)50V (DP17) | CSF1 | 0893135R | CAP 1608CHIP 470PFJCH 50V TAPE (DP17) |
| CS48 | 0893179R | CAP.CHIP-CER. 100000PF 16V TAPE (DP17) | CSF3 | 0893179R | CAP.CHIP-CER. 100000PF 16V TAPE (DP17) |
| CS49 | 0800326R | CAP.-ELECTRO. 100UF-M 16V (DP17) | CSF4 | 0284638R | CAP.-ELECTRO. 10UF-SME(BP) 16V (DP17) |
| CS50 | 0893179R | CAP.CHIP-CER. 100000PF 16V TAPE (DP17) | CSF9 | 0893179R | CAP.CHIP-CER. 100000PF 16V TAPE (DP17) |
| CS51 | 0800326R | CAP.-ELECTRO. 100UF-M 16V (DP17) | CSH1 | 0800326R | CAP.-ELECTRO. 100UF-M 16V (DP17) |
| CS52 | 0284638R | CAP.-ELECTRO. 10UF-SME(BP) 16V (DP17) | CSH2 | 0800326R | CAP.-ELECTRO. 100UF-M 16V (DP17) |
| CS53 | 0284638R | CAP.-ELECTRO. 10UF-SME(BP) 16V (DP17) | CSH3 | 0893179R | CAP.CHIP-CER. 100000PF 16V TAPE (DP17) |
| CS54 | 0284638R | CAP.-ELECTRO. 10UF-SME(BP) 16V (DP17) | CSH8 | 0800279R | CAP.-ELECTORO. 1.0UF-M(SMG) 50V (DP17) |
| CS55 | 0284638R | CAP.-ELECTRO. 10UF-SME(BP) 16V (DP17) | CSH9 | 0800279R | CAP.-ELECTORO. 1.0UF-M(SMG) 50V (DP17) |
| CS56 | 0284638R | CAP.-ELECTRO. 10UF-SME(BP) 16V (DP17) | CSJ1 | 0800279R | CAP.-ELECTORO. 1.0UF-M(SMG) 50V (DP17) |
| CS57 | 0284638R | CAP.-ELECTRO. 10UF-SME(BP) 16V (DP17) | CSJ2 | 0800279R | CAP.-ELECTORO. 1.0UF-M(SMG) 50V (DP17) |
| CS58 | 0893179R | CAP.CHIP-CER. 100000PF 16V TAPE (DP17) | CSJ3 | 0893208R | CAP 1608CHIP 1000PFKB 50V TAPE (DP17) |
| CS63 | 0893179R | CAP.CHIP-CER. 100000PF 16V TAPE (DP17) | CSJ4 | 0893208R | CAP 1608CHIP 1000PFKB 50V TAPE (DP17) |
| CS64 | 0893179R | CAP.CHIP-CER. 100000PF 16V TAPE (DP17) | CSJ6 | 0800279R | CAP.-ELECTORO. 1.0UF-M(SMG) 50V (DP17) |
| CS66 | 0893126R | CAP 1608CHIP 100PFJCH 50V TAPE (DP17) | CSJ7 | 0800279R | CAP.-ELECTORO. 1.0UF-M(SMG) 50V (DP17) |
| CS69 | 0893179R | CAP.CHIP-CER. 100000PF 16V TAPE (DP17) | CSJ8 | 0800318R | CAP.-ELECTRO. 47UF-M 25V (DP17) |
| CS70 | 0893179R | CAP.CHIP-CER. 100000PF 16V TAPE (DP17) | CSJ9 | 0800318R | CAP.-ELECTRO. 47UF-M 25V (DP17) |
| CS75 | 0893179R | CAP.CHIP-CER. 100000PF 16V TAPE (DP17) | CSK1 | 0800328R | CAP. ELECTRO. 100UF-M 35V (DP17) |
| CS76 | 0893179R | CAP.CHIP-CER. 100000PF 16V TAPE (DP17) | CSK2 | 0800328R | CAP. ELECTRO. 100UF-M 35V (DP17) |
| CS77 | 0800326R | CAP.-ELECTRO. 100UF-M 16V (DP17) | CSK3 | 0800318R | CAP.-ELECTRO. 47UF-M 25V (DP17) |
| CS78 | 0284638R | CAP.-ELECTRO. 10UF-SME(BP) 16V (DP17) | CSK4 | 0880198R | CAP.-PLOY. 0.22UF-J 50V (DP17) |
| CS79 | 0893179R | CAP.CHIP-CER. 100000PF 16V TAPE (DP17) | CSK5 | 0284824F | CAP.-ELECTRO. 2200UF 35V (DP17) |
| CS80 | AA01121R | CER. CAP.(0.47UF 10V) (DP17) | CSK6 | 0893227R | CER. CAP.(220000PF 16V) (DP17) |
| CS81 | 0893198R | CER. CAP.(27000PF 25V) (DP17) | CSK7 | 0893227R | CER. CAP.(220000PF 16V) (DP17) |
| CS82 | 0893226R | CER. CAP.(150000PF 16V) (DP17) | CSK8 | 0893227R | CER. CAP.(220000PF 16V) (DP17) |
| CS83 | 0893218R | CAP 1608CHIP 5600PFKB 50V TAPE (DP17) | CSK9 | 0893227R | CER. CAP.(220000PF 16V) (DP17) |
| CS84 | 0893186R | CER. CAP.(33000PF 16V) (DP17) | CSL1 | 0284824F | CAP.-ELECTRO. 2200UF 35V (DP17) |
| CS85 | 0893213R | CAP1608CHIP 2200PFKB 50V TAPE (DP17) | CSL2 | 0284824F | CAP.-ELECTRO. 2200UF 35V (DP17) |
| CS86 | 0893222R | CAP 1608CHIP10000PFKB 50V TAPE (DP17) | CSL5 | 0800363N | CAP.-ELECTRO. 1000UF-M 35V (DP17) |
| CS87 | 0893206R | CAP 1608CHIP 680PFKB 50V TAPE (DP17) | CSL6 | 0893188R | CER. CAP.(47000PF 16V) (DP17) |
| CS88 | 0893213R | CAP1608CHIP 2200PFKB 50V TAPE (DP17) | CSL7 | 0880194R | CAP.-POLYESTER 0.1UF-J 50V (DP17) |
| CS89 | 0284638R | CAP.-ELECTRO. 10UF-SME(BP) 16V (DP17) | CSL8 | 0800318R | CAP.-ELECTRO. 47UF-M 25V(DP17) |
| CS90 | 0893179R | CAP.CHIP-CER. 100000PF 16V TAPE (DP17) | CSL9 | 0284638R | CAP.-ELECTRO. 10UF-SME(BP) 16V (DP17) |
| CS91 | 0800326R | CAP.-ELECTRO. 100UF-M 16V (DP17) | CSM1 | 0284638R | CAP.-ELECTRO. 10UF-SME(BP) 16V (DP17) |
| CS92 | 0893179R | CAP.CHIP-CER. 100000PF 16V TAPE (DP17) | CSM2 | 0800294R | CAP.-ELECTRO. 10UF-M(SMG) 50V (DP17) |
| CS93 | 0800326R | CAP.-ELECTRO. 100UF-M 16V (DP17) | CSM3 | 0800294R | CAP.-ELECTRO. 10UF-M(SMG) 50V (DP17) |

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| SYMBOL NO. | PART NO. | PART DESCRIPTION | SYMBOL NO. | PART NO. | PART DESCRIPTION |
|---|---|---|---|---|---|
| CSM4 | 0800326R | CAP.-ELECTRO. 100UF-M 16V (DP17) | CT45 | 0893126R | CAP 1608CHIP 100PFJCH 50V TAPE (DP17) |
| CSM5 | 0800294R | CAP.-ELECTRO. 10UF-M(SMG) 50V (DP17) | CT46 | 0893126R | CAP 1608CHIP 100PFJCH 50V TAPE (DP17) |
| CSM6 | 0800294R | CAP.-ELECTRO. 10UF-M(SMG) 50V (DP17) | CT47 | 0893126R | CAP 1608CHIP 100PFJCH 50V TAPE (DP17) |
| CSM7 | 0800294R | CAP.-ELECTRO. 10UF-M(SMG) 50V (DP17) | CT48 | 0893126R | CAP 1608CHIP 100PFJCH 50V TAPE (DP17) |
| CSM8 | 0800294R | CAP.-ELECTRO. 10UF-M(SMG) 50V (DP17) | CT49 | 0893126R | CAP 1608CHIP 100PFJCH 50V TAPE (DP17) |
| CSM9 | 0800294R | CAP.-ELECTRO. 10UF-M(SMG) 50V (DP17) | CT50 | 0893211R | CAP 1608CHIP 1500PFKB 50V TAPE (DP17) |
| CSN1 | 0893222R | CAP 1608CHIP10000PFKB 50V TAPE (DP17) | CT51 | 0893211R | CAP 1608CHIP 1500PFKB 50V TAPE (DP17) |
| CSN2 | 0893222R | CAP 1608CHIP10000PFKB 50V TAPE (DP17) | CT52 | 0800294R | CAP.-ELECTRO. 10UF-M(SMG) 50V (DP17) |
| CSN3 | 0800318R | CAP.-ELECTRO. 47UF-M 25V (DP17) | CT53 | 0800294R | CAP.-ELECTRO. 10UF-M(SMG) 50V (DP17) |
| CSN4 | 0893179R | CAP.CHIP-CER. 100000PF 16V TAPE (DP17) | CT54 | 0893179R | CAP.CHIP-CER. 100000PF 16V TAPE (DP17) |
| CSN5 | 0800294R | CAP.-ELECTRO. 10UF-M(SMG) 50V (DP17) | CT55 | 0800318R | CAP.-ELECTRO. 47UF-M 25V (DP17) |
| CSN6 | 0893222R | CAP 1608CHIP10000PFKB 50V TAPE (DP17) | CT56 | 0893179R | CAP.CHIP-CER. 100000PF 16V TAPE (DP17) |
| CSN7 | 0893222R | CAP 1608CHIP10000PFKB 50V TAPE (DP17) | CT57 | 0800318R | CAP.-ELECTRO. 47UF-M 25V (DP17) |
| CSN8 | 0800312R | CAP..-ELECTRO. 33UF-M 50V (DP17) | CT59 | 0800294R | CAP.-ELECTRO. 10UF-M(SMG) 50V (DP17) |
| CSN9 | 0893117R | CAP 1608CHIP 22PFJCH 50V TAPE (DP17) | CT61 | 0800294R | CAP.-ELECTRO. 10UF-M(SMG) 50V (DP17) |
| CSP2 | 0893135R | CAP 1608CHIP 470PFJCH 50V TAPE (DP17) | CT63 | 0800294R | CAP.-ELECTRO. 10UF-M(SMG) 50V (DP17) |
| CSP3 | 0893135R | CAP 1608CHIP 470PFJCH 50V TAPE (DP17) | CT65 | 0800294R | CAP.-ELECTRO. 10UF-M(SMG) 50V (DP17) |
| CSP5 | 0893135R | CAP 1608CHIP 470PFJCH 50V TAPE (DP17) | CT67 | 0800294R | CAP.-ELECTRO. 10UF-M(SMG) 50V (DP17) |
| CSP6 | 0893135R | CAP 1608CHIP 470PFJCH 50V TAPE (DP17) | CT69 | 0800294R | CAP.-ELECTRO. 10UF-M(SMG) 50V (DP17) |
| CSP7 | 0893135R | CAP 1608CHIP 470PFJCH 50V TAPE (DP17) | CT71 | 0800294R | CAP.-ELECTRO. 10UF-M(SMG) 50V (DP17) |
| CSP8 | 0893179R | CAP.CHIP-CER. 100000PF 16V TAPE (DP17) | CT73 | 0800294R | CAP.-ELECTRO. 10UF-M(SMG) 50V (DP17) |
| CSP9 | 0893179R | CAP.CHIP-CER. 100000PF 16V TAPE (DP17) | CT75 | 0800294R | CAP.-ELECTRO. 10UF-M(SMG) 50V (DP17) |
| CSR2 | 0893126R | CAP 1608CHIP 100PFJCH 50V TAPE (DP17) | CT77 | 0800294R | CAP.-ELECTRO. 10UF-M(SMG) 50V (DP17) |
| CT02 | 0893179R | CAP.CHIP-CER. 100000PF 16V TAPE (DP17) | CT79 | 0800294R | CAP.-ELECTRO. 10UF-M(SMG) 50V (DP17) |
| CT04 | 0800318R | CAP.-ELECTRO. 47UF-M 25V (DP17) | CT81 | 0800294R | CAP.-ELECTRO. 10UF-M(SMG) 50V (DP17) |
| CT05 | 0893179R | CAP.CHIP-CER. 100000PF 16V TAPE (DP17) | CT83 | 0893179R | CAP.CHIP-CER. 100000PF 16V TAPE (DP17) |
| CT07 | 0893179R | CAP.CHIP-CER. 100000PF 16V TAPE (DP17) | CT84 | 0893179R | CAP.CHIP-CER. 100000PF 16V TAPE (DP17) |
| CT08 | 0893179R | CAP.CHIP-CER. 100000PF 16V TAPE (DP17) | CT85 | 0893179R | CAP.CHIP-CER. 100000PF 16V TAPE (DP17) |
| CT09 | 0893179R | CAP.CHIP-CER. 100000PF 16V TAPE (DP17) | CT86 | 0800294R | CAP.-ELECTRO. 10UF-M(SMG) 50V (DP17) |
| CT12 | 0893116R | CAP 1608CHIP 18PFJCH 50V TAPE (DP17) | CT87 | 0893179R | CAP.CHIP-CER. 100000PF 16V TAPE (DP17) |
| CT13 | 0893116R | CAP 1608CHIP 18PFJCH 50V TAPE (DP17) | CT88 | 0893179R | CAP.CHIP-CER. 100000PF 16V TAPE (DP17) |
| CT14 | 0893124R | CAP 1608CHIP 68PFJCH 50V TAPE (DP17) | CT89 | 0800303R | CAP.-ELECTRO. 22UF-M 50V (DP17) |
| CT15 | 0893188R | CER. CAP.(47000PF 16V) (DP17) | CT90 | 0800303R | CAP.-ELECTRO. 22UF-M 50V (DP17) |
| CT16 | 0893179R | CAP.CHIP-CER. 100000PF 16V TAPE (DP17) | CT91 | 0893126R | CAP 1608CHIP 100PFJCH 50V TAPE (DP17) |
| CT17 | 0800318R | CAP.-ELECTRO. 47UF-M 25V (DP17) | CT92 | 0893126R | CAP 1608CHIP 100PFJCH 50V TAPE (DP17) |
| CT18 | 0893179R | CAP.CHIP-CER. 100000PF 16V TAPE (DP17) | CX01 | AA01111R | CER. CAP.(1.0UF 6.3V) |
| CT19 | 0893179R | CAP.CHIP-CER. 100000PF 16V TAPE (DP17) | CX02 | AA01101R | CER. CAP.(1UF 10V-F) |
| CT20 | 0893207R | CAP 1608CHIP 820PFKB 50V TAPE (DP17) | CX03 | AA01101R | CER. CAP.(1UF 10V-F) |
| CT21 | 0893179R | CAP.CHIP-CER. 100000PF 16V TAPE (DP17) | CX04 | AA01111R | CER. CAP.(1.0UF 6.3V) |
| CT22 | 0893179R | CAP.CHIP-CER. 100000PF 16V TAPE (DP17) | CX05 | 0893232R | CAP 1608CHIP 100000PFZF25V TAPE |
| CT23 | 0893179R | CAP.CHIP-CER. 100000PF 16V TAPE (DP17) | CX06 | AA01111R | CER. CAP.(1.0UF 6.3V) |
| CT24 | 0893179R | CAP.CHIP-CER. 100000PF 16V TAPE (DP17) | CX07 | AA01101R | CER. CAP.(1UF 10V-F) |
| CT30 | 0893179R | CAP.CHIP-CER. 100000PF 16V TAPE (DP17) | CX08 | AA01101R | CER. CAP.(1UF 10V-F) |
| CT31 | 0893179R | CAP.CHIP-CER. 100000PF 16V TAPE (DP17) | CX09 | AA01111R | CER. CAP.(1.0UF 6.3V) |
| CT32 | 0893179R | CAP.CHIP-CER. 100000PF 16V TAPE (DP17) | CX10 | 0893232R | CAP 1608CHIP 100000PFZF25V TAPE |
| CT33 | 0893179R | CAP.CHIP-CER. 100000PF 16V TAPE (DP17) | CX11 | AA01101R | CER. CAP.(1UF 10V-F) |
| CT34 | 0893179R | CAP.CHIP-CER. 100000PF 16V TAPE (DP17) | CX12 | AA01101R | CER. CAP.(1UF 10V-F) |
| CT35 | 0893179R | CAP.CHIP-CER. 100000PF 16V TAPE (DP17) | CX15 | AA01101R | CER. CAP.(1UF 10V-F) |
| CT36 | 0800318R | CAP.-ELECTRO. 47UF-M 25V (DP17) | CX16 | AA01101R | CER. CAP.(1UF 10V-F) |
| CT37 | 0893179R | CAP.CHIP-CER. 100000PF 16V TAPE (DP17) | CX17 | 0800352R | CAP.-ELECTRO.470UF 10V |
| CT38 | 0893179R | CAP.CHIP-CER. 100000PF 16V TAPE (DP17) | CX18 | 0800294R | CAP.-ELECTRO. 10UF-M(SMG) 50V |
| CT39 | 0800318R | CAP.-ELECTRO. 47UF-M 25V (DP17) | CX19 | 0800294R | CAP.-ELECTRO. 10UF-M(SMG) 50V |
| CT40 | 0800294R | CAP.-ELECTRO. 10UF-M(SMG) 50V (DP17) | CX20 | 0800352R | CAP.-ELECTRO.470UF 10V |
| CT41 | 0893179R | CAP.CHIP-CER. 100000PF 16V TAPE (DP17) | CX21 | 0893239R | CAP 1608CHIP 10000PFZF 50V TAPE |
| CT42 | 0800318R | CAP.-ELECTRO. 47UF-M 25V (DP17) | CX22 | AA01111R | CER. CAP.(1.0UF 6.3V) |
| CT43 | 0893179R | CAP.CHIP-CER. 100000PF 16V TAPE (DP17) | CX23 | AA01101R | CER. CAP.(1UF 10V-F) |
| CT44 | 0893126R | CAP 1608CHIP 100PFJCH 50V TAPE (DP17) | CX24 | AA01111R | CER. CAP.(1.0UF 6.3V) |

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| SYMBOL NO. | PART NO. | PART DESCRIPTION | SYMBOL NO. | PART NO. | PART DESCRIPTION |
|---|---|---|---|---|---|
| CX25 | AA01101R | CER. CAP.(1UF 10V-F) | CX81 | 0800352R | CAP.-ELECTRO.470UF 10V |
| CX26 | AA01111R | CER. CAP.(1.0UF 6.3V) | CX82 | AA01121R | CER. CAP.(0.47UF 10V) |
| CX27 | 0800294R | CAP.-ELECTRO. 10UF-M(SMG) 50V | CX83 | AA01121R | CER. CAP.(0.47UF 10V) |
| CX28 | AA01111R | CER. CAP.(1.0UF 6.3V) | CX84 | AA01121R | CER. CAP.(0.47UF 10V) |
| CX29 | 0800294R | CAP.-ELECTRO. 10UF-M(SMG) 50V | CX85 | AA01121R | CER. CAP.(0.47UF 10V) |
| CX30 | AA01101R | CER. CAP.(1UF 10V-F) | CX86 | AA01121R | CER. CAP.(0.47UF 10V) |
| CX31 | 0893232R | CAP 1608CHIP 100000PFZF25V TAPE | CX87 | AA01121R | CER. CAP.(0.47UF 10V) |
| CX32 | 0893232R | CAP 1608CHIP 100000PFZF25V TAPE | CX88 | AA01121R | CER. CAP.(0.47UF 10V) |
| CX33 | 0800326R | CAP.-ELECTRO. 100UF-M 16V | CX89 | AA01121R | CER. CAP.(0.47UF 10V) |
| CX34 | 0893232R | CAP 1608CHIP 100000PFZF25V TAPE | CX90 | AA01121R | CER. CAP.(0.47UF 10V) |
| CX35 | AA01111R | CER. CAP.(1.0UF 6.3V) | CX91 | AA01121R | CER. CAP.(0.47UF 10V) |
| CX36 | AA01101R | CER. CAP.(1UF 10V-F) | CX92 | AA01121R | CER. CAP.(0.47UF 10V) |
| CX37 | AA01101R | CER. CAP.(1UF 10V-F) | CX93 | AA01121R | CER. CAP.(0.47UF 10V) |
| CX38 | AA01111R | CER. CAP.(1.0UF 6.3V) | CX94 | AA01121R | CER. CAP.(0.47UF 10V) |
| CX39 | 0893239R | CAP 1608CHIP 10000PFZF 50V TAPE | CX95 | AA01121R | CER. CAP.(0.47UF 10V) |
| CX40 | 0800326R | CAP.-ELECTRO. 100UF-M 16V | CX96 | 0893232R | CAP 1608CHIP 100000PFZF25V TAPE |
| CX41 | 0893232R | CAP 1608CHIP 100000PFZF25V TAPE | CX97 | 0893119R | CAP 1608CHIP 33PFJCH 50V TAPE |
| CX42 | 0893239R | CAP 1608CHIP 10000PFZF 50V TAPE | CX98 | 0893222R | CAP 1608CHIP10000PFKB 50V TAPE |
| CX43 | 0893179R | CAP.CHIP-CER. 100000PF 16V TAPE | CX99 | AA01111R | CER. CAP.(1.0UF 6.3V) |
| CX44 | 0893179R | CAP.CHIP-CER. 100000PF 16V TAPE | CY01 | 0893179R | CAP.CHIP-CER. 100000PF 16V TAPE |
| CX45 | 0800326R | CAP.-ELECTRO. 100UF-M 16V | CY02 | 0893232R | CAP 1608CHIP 100000PFZF25V TAPE |
| CX46 | 0893232R | CAP 1608CHIP 100000PFZF25V TAPE | CY03 | 0800352R | CAP.-ELECTRO.470UF 10V |
| CX47 | 0800326R | CAP.-ELECTRO. 100UF-M 16V | CY04 | 0800326R | CAP.-ELECTRO. 100UF-M 16V |
| CX48 | 0893232R | CAP 1608CHIP 100000PFZF25V TAPE | CY05 | 0893232R | CAP 1608CHIP 100000PFZF25V TAPE |
| CX49 | 0893114R | CAP 1608CHIP 12PFJCH 50V TAPE | CY06 | 0893232R | CAP 1608CHIP 100000PFZF25V TAPE |
| CX50 | 0800273R | CAP.-ELECTRO 0.22UF-M 50V | CY07 | 0893232R | CAP 1608CHIP 100000PFZF25V TAPE |
| CX51 | 0893213R | CAP1608CHIP 2200PFKB 50V TAPE | CY08 | 0800326R | CAP.-ELECTRO. 100UF-M 16V |
| CX52 | 0800282R | CAP.-ELECTORO. 2.2UF-M(SMG) 50V | CY09 | 0893232R | CAP 1608CHIP 100000PFZF25V TAPE |
| CX53 | 0800282R | CAP.-ELECTORO. 2.2UF-M(SMG) 50V | CY10 | 0800326R | CAP.-ELECTRO. 100UF-M 16V |
| CX54 | 0893217R | CAP 1608CHIP 4700PFKB 50V TAPE | CY11 | 0893232R | CAP 1608CHIP 100000PFZF25V TAPE |
| CX55 | 0893232R | CAP 1608CHIP 100000PFZF25V TAPE | CY12 | 0893232R | CAP 1608CHIP 100000PFZF25V TAPE |
| CX56 | 0800326R | CAP.-ELECTRO. 100UF-M 16V | CY13 | 0893232R | CAP 1608CHIP 100000PFZF25V TAPE |
| CX57 | 0893232R | CAP 1608CHIP 100000PFZF25V TAPE | CY14 | AA01111R | CER. CAP.(1.0UF 6.3V) |
| CX58 | 0893232R | CAP 1608CHIP 100000PFZF25V TAPE | CY17 | 0893179R | CAP.CHIP-CER. 100000PF 16V TAPE |
| CX59 | 0800326R | CAP.-ELECTRO. 100UF-M 16V | CY18 | 0893232R | CAP 1608CHIP 100000PFZF25V TAPE |
| CX60 | AA01121R | CER. CAP.(0.47UF 10V) | CY20 | 0893132R | CAP 1608CHIP 270PFJCH 50V TAPE |
| CX61 | AA01121R | CER. CAP.(0.47UF 10V) | CY21 | 0893179R | CAP.CHIP-CER. 100000PF 16V TAPE |
| CX62 | AA01121R | CER. CAP.(0.47UF 10V) | CY22 | 0893179R | CAP.CHIP-CER. 100000PF 16V TAPE |
| CX63 | 0893232R | CAP 1608CHIP 100000PFZF25V TAPE | CY23 | AA01101R | CER. CAP.(1UF 10V-F) |
| CX64 | AA01121R | CER. CAP.(0.47UF 10V) | CY24 | 0893179R | CAP.CHIP-CER. 100000PF 16V TAPE |
| CX65 | AA01121R | CER. CAP.(0.47UF 10V) | CY25 | 0893179R | CAP.CHIP-CER. 100000PF 16V TAPE |
| CX66 | AA01121R | CER. CAP.(0.47UF 10V) | CY26 | 0893179R | CAP.CHIP-CER. 100000PF 16V TAPE |
| CX67 | AA01121R | CER. CAP.(0.47UF 10V) | CY27 | AA01111R | CER. CAP.(1.0UF 6.3V) |
| CX68 | AA01121R | CER. CAP.(0.47UF 10V) | CY35 | 0893232R | CAP 1608CHIP 100000PFZF25V TAPE |
| CX69 | AA01121R | CER. CAP.(0.47UF 10V) | CY36 | 0800279R | CAP.-ELECTORO. 1.0UF-M(SMG) 50V |
| CX70 | AA01121R | CER. CAP.(0.47UF 10V) | CY37 | AA01121R | CER. CAP.(0.47UF 10V) |
| CX71 | AA01121R | CER. CAP.(0.47UF 10V) | CY38 | AA01121R | CER. CAP.(0.47UF 10V) |
| CX72 | AA01121R | CER. CAP.(0.47UF 10V) | CY39 | AA01121R | CER. CAP.(0.47UF 10V) |
| CX73 | AA01121R | CER. CAP.(0.47UF 10V) | CY40 | AA01121R | CER. CAP.(0.47UF 10V) |
| CX74 | AA01121R | CER. CAP.(0.47UF 10V) | CY41 | AA01121R | CER. CAP.(0.47UF 10V) |
| CX75 | 0893232R | CAP 1608CHIP 100000PFZF25V TAPE | CY42 | AA01121R | CER. CAP.(0.47UF 10V) |
| CX76 | 0893119R | CAP 1608CHIP 33PFJCH 50V TAPE | CY43 | AA01121R | CER. CAP.(0.47UF 10V) |
| CX77 | 0893222R | CAP 1608CHIP10000PFKB 50V TAPE | CY44 | AA01121R | CER. CAP.(0.47UF 10V) |
| CX78 | AA01111R | CER. CAP.(1.0UF 6.3V) | CY45 | AA01121R | CER. CAP.(0.47UF 10V) |
| CX79 | 0893179R | CAP.CHIP-CER. 100000PF 16V TAPE | CY46 | AA01121R | CER. CAP.(0.47UF 10V) |
| CX80 | 0893232R | CAP 1608CHIP 100000PFZF25V TAPE | CY47 | AA01121R | CER. CAP.(0.47UF 10V) |

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| SYMBOL NO. | PART NO. | PART DESCRIPTION |
|---|---|---|
| CY48 | AA01121R | CER. CAP.(0.47UF 10V) |
| CY49 | 0800294R | CAP.-ELECTRO. 10UF-M(SMG) 50V |
| CY50 | 0800294R | CAP.-ELECTRO. 10UF-M(SMG) 50V |
| | | **DIODES** |
| D001 | 2331849M | ZENER HZ12C3 (TA) SI 500MW |
| D002 | 2331849M | ZENER HZ12C3 (TA) SI 500MW |
| D003 | 2331849M | ZENER HZ12C3 (TA) SI 500MW |
| D004 | 2331849M | ZENER HZ12C3 (TA) SI 500MW |
| D005 | 2331849M | ZENER HZ12C3 (TA) SI 500MW |
| D006 | CH02021M | DIODE 1SS133 T-72 (DP17) |
| D007 | CH02021M | DIODE 1SS133 T-72 |
| D008 | CH02021M | DIODE 1SS133 T-72 |
| D010 | 2331827M | ZENER DIODE HZ-9 TAPE (C1) SI 500MW 9.3V |
| D011 | 2331827M | ZENER DIODE HZ-9 TAPE (C1) SI 500MW 9.3V |
| D012 | CH02021M | DIODE 1SS133 T-72 |
| D013 | CH02021M | DIODE 1SS133 T-72 |
| D015 | 2331809M | ZENER DIODE HZ-6 TAPE (C3) SI 500MW |
| D016 | CH02021M | DIODE 1SS133 T-72 |
| D017 | CH02021M | DIODE 1SS133 T-72 |
| D018 | CH02021M | DIODE 1SS133 T-72 |
| D019 | CH02021M | DIODE 1SS133 T-72 |
| D020 | CH02021M | DIODE 1SS133 T-72 |
| D021 | CH02021M | DIODE 1SS133 T-72 |
| D022 | CH02021M | DIODE 1SS133 T-72 |
| D023 | CH02021M | DIODE 1SS133 T-72 |
| D027 | CH02021M | DIODE 1SS133 T-72 |
| D028 | CH02021M | DIODE 1SS133 T-72 |
| D029 | 2331849M | ZENER HZ12C3 (TA) SI 500MW |
| D030 | 2331779M | ZENER DIODE HZ3C3 |
| D040 | 2331849M | ZENER HZ12C3 (TA) SI 500MW |
| D501 | 2339971M | ZENER HZS33-1 TA |
| D502 | 2339971M | ZENER HZS33-1 TA |
| D503 | 2331849M | ZENER HZ12C3 (TA) SI 500MW |
| D551 | CH02021M | DIODE 1SS133 T-72 |
| D552 | CH02021M | DIODE 1SS133 T-72 |
| D601 | 2331154M | ZENER HZ-12 (A1-3 B1-3.TA) SI 200MA 14.3V |
| D603 | CH02001M | DIODE 1SR139-400 |
| D604 | CH02001M | DIODE 1SR139-400 |
| D605 | CH02011M | DIODE 1SR153-400 |
| D606 | 2334305M | ZENER RD30E (B4 T2/TP/TA) SI 5MA 30.51V |
| D607 | CH02001M | DIODE 1SR139-400 |
| D608 | CH02021M | DIODE 1SS133 T-72 |
| D701 | CH02001M | DIODE 1SR139-400 |
| D702 | 2339859M | ZENER HZS7C3 TA |
| D703 | CH02021M | DIODE 1SS133 T-72 |
| ⚠ D706 | 2339882M | ZENER DIODE HZS-12(A2) TAPE |
| D707 | CH02021M | DIODE 1SS133 T-72 |
| D708 | CH02161 | DIODE FMQ-G2FLS (1500V) |
| D709 | CH02021M | DIODE 1SS133 T-72 |
| D710 | 2339855M | ZENER DIODE HZS-7 (B2) TAPE SI 7V |
| D711 | CH00041M | DIODE ES1FV1 (1500V) (DP14G) |
| D712 | CH00041M | DIODE ES1FV1 (1500V) |
| D712 | CH00901M | DIODE RGP02-15E 1500V 20A (DP17) |
| D713 | 2339802M | ZENER DIODE HZS2B2 TAPE |
| D714 | 2339849M | ZENER HZS6C3 TA |
| D801 | 2331849M | ZENER HZ12C3 (TA) SI 500MW |
| D802 | CH02021M | DIODE 1SS133 T-72 |
| D803 | CH02021M | DIODE 1SS133 T-72 |
| D804 | CH02021M | DIODE 1SS133 T-72 |
| D806 | CH02021M | DIODE 1SS133 T-72 |
| D808 | CH02021M | DIODE 1SS133 T-72 |
| D813 | CH02001M | DIODE 1SR139-400 |
| D814 | CH02001M | DIODE 1SR139-400 |
| D815 | CH02001M | DIODE 1SR139-400 |
| D816 | CH02001M | DIODE 1SR139-400 |
| D851 | 2331849M | ZENER HZ12C3 (TA) SI 500MW |
| D852 | CH02021M | DIODE 1SS133 T-72 |
| D853 | CH02021M | DIODE 1SS133 T-72 |
| D854 | CH02021M | DIODE 1SS133 T-72 |
| D856 | CH02021M | DIODE 1SS133 T-72 |
| D858 | CH02021M | DIODE 1SS133 T-72 |
| D863 | CH02001M | DIODE 1SR139-400 |
| D864 | CH02001M | DIODE 1SR139-400 |
| D865 | CH02001M | DIODE 1SR139-400 |
| D866 | CH02001M | DIODE 1SR139-400 |
| D8A1 | 2331849M | ZENER HZ12C3 (TA) SI 500MW |
| D8A2 | CH02021M | DIODE 1SS133 T-72 |
| D8A3 | CH02021M | DIODE 1SS133 T-72 |
| D8A4 | CH02021M | DIODE 1SS133 T-72 |
| D8A5 | CH02021M | DIODE 1SS133 T-72 |
| D8A6 | CH02021M | DIODE 1SS133 T-72 |
| D8C3 | CH02001M | DIODE 1SR139-400 |
| D8C4 | CH02001M | DIODE 1SR139-400 |
| D8C5 | CH02001M | DIODE 1SR139-400 |
| D8C6 | CH02001M | DIODE 1SR139-400 |
| D8C7 | 2331849M | ZENER HZ12C3 (TA) SI 500MW |
| ⚠ D901 | 2342061 | DIODE D3SB(A)60. |
| D902 | 2334304M | ZENER RD30E (B3 T2/TP/TA) SI 5MA 30.51V |
| D903 | CH02011M | DIODE 1SR153-400 |
| D904 | CH02011M | DIODE 1SR153-400 |
| D906 | CH02001M | DIODE 1SR139-400 |
| D907 | CH02001M | DIODE 1SR139-400 |
| D910 | 2337951G | DIODE RU4Z |
| D911 | 2337951G | DIODE RU4Z (DP17) |
| D912 | CH00182R | LIGHT EMITTING DIODE (SLZ-381C-06-T1) |
| D913 | CH00182R | LIGHT EMITTING DIODE (SLZ-381C-06-T1) (DP17) |
| D914 | CH02001M | DIODE 1SR139-400 |
| D917 | CH01091M | DIODE EL1 (350V) (DP17) |
| D918 | CH02001M | DIODE 1SR139-400 (DP17) |
| D919 | CH01091M | DIODE EL1 (350V) |
| D920 | 2334832M | DIODE EK04V1 |
| D921 | 2338532M | DIODE EG01A (V1) (DP17) |
| D922 | CH02001M | DIODE 1SR139-400 (DP17) |
| D923 | CH02001M | DIODE 1SR139-400 |
| D924 | 2339828M | ZENER HZS-4C TAPE |
| D925 | CH02001M | DIODE 1SR139-400 |
| D926 | CH02021M | DIODE 1SS133 T-72 |
| D927 | CH02021M | DIODE 1SS133 T-72 |
| D929 | 2339816M | ZENER HZS3B3 TAPE (DP17) |
| D930 | CH02021M | DIODE 1SS133 T-72 (DP17) |
| D931 | CH02021M | DIODE 1SS133 T-72 (DP17) |

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| SYMBOL NO. | PART NO. | PART DESCRIPTION |
|---|---|---|
| D933 | 2339882M | ZENER DIODE HZS-12(A2) TAPE |
| D934 | CH02021M | DIODE 1SS133 T-72 |
| D935 | 2339857M | ZENER HZS7C1 SI |
| D936 | CH02021M | DIODE 1SS133 T-72 |
| D938 | CH02021M | DIODE 1SS133 T-72 |
| D939 | 2339817M | ZENER HZS3C1 TA |
| D940 | CH02021M | DIODE 1SS133 T-72 |
| D941 | 2339821M | ZENER HZS4A1 TA |
| D942 | CH02021M | DIODE 1SS133 T-72 |
| D944 | 2331844M | ZENER HZ12-B1 |
| D947 | 2339867M | ZENER HZS-9-C1 TAPE (SI.200MA) |
| DA01 | CH02021M | DIODE 1SS133 T-72 (DP14G) |
| DA02 | CH02021M | DIODE 1SS133 T-72 (DP14G) |
| DA03 | 2331771M | ZENER HZ-3A1 TAPE (DP14G) |
| DA04 | 2331771M | ZENER HZ-3A1 TAPE (DP14G) |
| DC01 | CH02021M | DIODE 1SS133 T-72 |
| DC02 | CH02021M | DIODE 1SS133 T-72 |
| DC03 | 2339801M | ZENER HZS-2 TAPE (B1) SI 400MW 2.0V |
| DC04 | CH02021M | DIODE 1SS133 T-72 |
| DC05 | CH02021M | DIODE 1SS133 T-72 |
| DC06 | 2331849M | ZENER HZ12C3 (TA) SI 500MW |
| DC07 | 2331849M | ZENER HZ12C3 (TA) SI 500MW |
| DC08 | 2331849M | ZENER HZ12C3 (TA) SI 500MW |
| DC09 | CH02001M | DIODE 1SR139-400 |
| DC10 | CH02001M | DIODE 1SR139-400 |
| DC11 | 2331849M | ZENER HZ12C3 (TA) SI 500MW |
| DC12 | 2331849M | ZENER HZ12C3 (TA) SI 500MW |
| DE01 | 2331849M | ZENER HZ12C3 (TA) SI 500MW |
| DE02 | 2335042M | ZENER HZ-22 (2L TP) SI 200MA 400MW |
| DE03 | CH02001M | DIODE 1SR139-400 |
| DE04 | CH02001M | DIODE 1SR139-400 |
| DE05 | CH02001M | DIODE 1SR139-400 |
| DE06 | CH02001M | DIODE 1SR139-400 |
| DE17 | CH02021M | DIODE 1SS133 T-72 |
| DE18 | CH02021M | DIODE 1SS133 T-72 |
| DF01 | CH02021M | DIODE 1SS133 T-72 |
| DF02 | CH02021M | DIODE 1SS133 T-72 |
| DF03 | CH02021M | DIODE 1SS133 T-72 |
| DF04 | 2338531M | DIODE EG-01C (V) SI 0.5A |
| DH01 | 2339802M | ZENER DIODE HZS2B2 TAPE |
| DH02 | 2339839M | ZENER HZS5C3 TAPE |
| DH04 | 2339839M | ZENER HZS5C3 TAPE |
| DH05 | CH02021M | DIODE 1SS133 T-72 |
| DH06 | CH02021M | DIODE 1SS133 T-72 |
| DH08 | 2334243M | ZENER RD16E (B2 T2/TP/TA) SI 10MA 16.51V |
| DH09 | CH00041M | DIODE ES1FV1 (1500V) |
| DH10 | CH02001M | DIODE 1SR139-400 |
| DH11 | CH02001M | DIODE 1SR139-400 |
| ⚠ DH12 | CH02021M | DIODE 1SS133 T-72 |
| DH13 | CH00031M | DIODE AU02V1(280V) |
| DH14 | 2334324M | ZENER DIODE RD36E TAPE (B3) SI 500MW 36V |
| ⚠ DH15 | 2335042M | ZENER HZ-22 (2L TP) SI 200MA 400MW |
| DH16 | 2334305M | ZENER RD30E (B4 T2/TP/TA) SI 5MA 30.51V |
| DH17 | CH00031M | DIODE AU02V1(280V) |
| DH18 | CH02021M | DIODE 1SS133 T-72 |
| DJ01 | CH02021M | DIODE 1SS133 T-72 |
| DJ02 | CH02021M | DIODE 1SS133 T-72 |
| DJ03 | CH02021M | DIODE 1SS133 T-72 |
| DJ04 | CH02021M | DIODE 1SS133 T-72 |
| DJ05 | CH02021M | DIODE 1SS133 T-72 |
| DJ06 | CH02021M | DIODE 1SS133 T-72 |
| DJ07 | CH02021M | DIODE 1SS133 T-72 |
| DJ08 | CH02021M | DIODE 1SS133 T-72 |
| DJ09 | CH02021M | DIODE 1SS133 T-72 |
| DJ10 | CH02021M | DIODE 1SS133 T-72 |
| DJ11 | CH02021M | DIODE 1SS133 T-72 (DP17) |
| DJ12 | CH02021M | DIODE 1SS133 T-72 (DP17) |
| DJ13 | CH02021M | DIODE 1SS133 T-72 (DP17) |
| DJ14 | CH02021M | DIODE 1SS133 T-72 (DP17) |
| DJ15 | CH02021M | DIODE 1SS133 T-72 (DP17) |
| DJ16 | CH02021M | DIODE 1SS133 T-72 (DP17) |
| DJ17 | CH02021M | DIODE 1SS133 T-72 (DP17) |
| DJ18 | CH02021M | DIODE 1SS133 T-72 (DP17) |
| DJ19 | CH02021M | DIODE 1SS133 T-72 (DP17) |
| DJ20 | CH02021M | DIODE 1SS133 T-72 (DP17) |
| DJ21 | CH02021M | DIODE 1SS133 T-72 (DP17) |
| DJ22 | CH02021M | DIODE 1SS133 T-72 |
| DJ23 | 2331849M | ZENER HZ12C3 (TA) SI 500MW (DP14G) |
| DJ24 | 2331849M | ZENER HZ12C3 (TA) SI 500MW (DP14G) |
| DK01 | CH02301M | DIODE D2S4M (2A-40V) |
| DK04 | CH02011M | DIODE 1SR153-400 |
| DK05 | CH02011M | DIODE 1SR153-400 |
| DK16 | 2334324M | ZENER DIODE RD36E TAPE (B3) SI 500MW 36V |
| DK17 | 2334324M | ZENER DIODE RD36E TAPE (B3) SI 500MW 36V |
| DK18 | 2334324M | ZENER DIODE RD36E TAPE (B3) SI 500MW 36V |
| DK19 | 2334324M | ZENER DIODE RD36E TAPE (B3) SI 500MW 36V |
| DK20 | 2334324M | ZENER DIODE RD36E TAPE (B3) SI 500MW 36V |
| DK21 | 2334324M | ZENER DIODE RD36E TAPE (B3) SI 500MW 36V |
| DK22 | 2334324M | ZENER DIODE RD36E TAPE (B3) SI 500MW 36V |
| DK23 | 2334324M | ZENER DIODE RD36E TAPE (B3) SI 500MW 36V |
| DK24 | 2334324M | ZENER DIODE RD36E TAPE (B3) SI 500MW 36V |
| DK25 | 2334324M | ZENER DIODE RD36E TAPE (B3) SI 500MW 36V |
| DK26 | 2334324M | ZENER DIODE RD36E TAPE (B3) SI 500MW 36V |
| DK27 | 2334324M | ZENER DIODE RD36E TAPE (B3) SI 500MW 36V |
| DK30 | 2331815M | ZENER HZ7-B2 |
| DK31 | 2331815M | ZENER HZ7-B2 |
| DK32 | 2331815M | ZENER HZ7-B2 (DP17) |
| DK33 | 2331815M | ZENER HZ7-B2 (DP17) |
| DK34 | 2331815M | ZENER HZ7-B2 (DP17) |
| DK35 | 2331815M | ZENER HZ7-B2 (DP17) |
| DK36 | 2331815M | ZENER HZ7-B2 |
| DK37 | 2331815M | ZENER HZ7-B2 |
| DK39 | CH02021M | DIODE 1SS133 T-72 |
| DK41 | 2331815M | ZENER HZ7-B2 |
| DK42 | 2331815M | ZENER HZ7-B2 |
| DL01 | 2331815M | ZENER HZ7-B2 |
| DL02 | 2331815M | ZENER HZ7-B2 |
| DL03 | 2331815M | ZENER HZ7-B2 (DP17) |
| DL04 | 2331815M | ZENER HZ7-B2 (DP17) |
| DL05 | 2331815M | ZENER HZ7-B2 (DP17) |
| DL06 | 2331815M | ZENER HZ7-B2 (DP17) |
| DL07 | 2331815M | ZENER HZ7-B2 |

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| SYMBOL NO. | PART NO. | PART DESCRIPTION |
|---|---|---|
| DL08 | 2331815M | ZENER HZ7-B2 |
| DL10 | CH02021M | DIODE 1SS133 T-72 |
| DL11 | CH02021M | DIODE 1SS133 T-72 |
| DL12 | CH02021M | DIODE 1SS133 T-72 (DP17) |
| DL13 | CH02021M | DIODE 1SS133 T-72 (DP17) |
| DL14 | CH02021M | DIODE 1SS133 T-72 (DP17) |
| DL15 | CH02021M | DIODE 1SS133 T-72 (DP17) |
| DL16 | CH02021M | DIODE 1SS133 T-72 |
| DL17 | CH02021M | DIODE 1SS133 T-72 |
| DL20 | 2331815M | ZENER HZ7-B2 |
| DL21 | 2331815M | ZENER HZ7-B2 |
| DL22 | 2331815M | ZENER HZ7-B2 (DP17) |
| DL23 | 2331815M | ZENER HZ7-B2 (DP17) |
| DL24 | 2331815M | ZENER HZ7-B2 (DP17) |
| DL25 | 2331815M | ZENER HZ7-B2 (DP17) |
| DL26 | 2331815M | ZENER HZ7-B2 |
| DL27 | 2331815M | ZENER HZ7-B2 |
| DL28 | 2331824M | ZENER HZ9B1 TA |
| DL30 | 2331824M | ZENER HZ9B1 TA |
| DL31 | 2331824M | ZENER HZ9B1 TA |
| DL32 | 2331824M | ZENER HZ9B1 TA (DP17) |
| DL33 | 2331824M | ZENER HZ9B1 TA (DP17) |
| DL34 | 2331824M | ZENER HZ9B1 TA (DP17) |
| DL35 | 2331824M | ZENER HZ9B1 TA (DP17) |
| DL36 | 2331824M | ZENER HZ9B1 TA |
| DL37 | 2331824M | ZENER HZ9B1 TA |
| DM01 | CH02021M | DIODE 1SS133 T-72 |
| DM02 | CH02021M | DIODE 1SS133 T-72 |
| DM03 | CH00231 | LED SLH-56VC3F |
| DM04 | 2331849M | ZENER HZ12C3 (TA) SI 500MW |
| DM05 | 2331849M | ZENER HZ12C3 (TA) SI 500MW |
| DM07 | 2331849M | ZENER HZ12C3 (TA) SI 500MW |
| DM08 | 2331849M | ZENER HZ12C3 (TA) SI 500MW |
| DM09 | 2331849M | ZENER HZ12C3 (TA) SI 500MW |
| DM10 | 2331849M | ZENER HZ12C3 (TA) SI 500MW |
| DM11 | 2331849M | ZENER HZ12C3 (TA) SI 500MW |
| DM12 | 2331815M | ZENER HZ7-B2 |
| DN01 | CH02021M | DIODE 1SS133 T-72 |
| DN02 | 2339825M | ZENER DIODE HZS-4 TAPE (B2) SI 400MW 3.9V |
| DN03 | CH02021M | DIODE 1SS133 T-72 |
| DN06 | CH02021M | DIODE 1SS133 T-72 |
| DN07 | CH02021M | DIODE 1SS133 T-72 |
| DN08 | CH02021M | DIODE 1SS133 T-72 |
| DN09 | CH02021M | DIODE 1SS133 T-72 |
| DN10 | CH02021M | DIODE 1SS133 T-72 |
| DN11 | CH02021M | DIODE 1SS133 T-72 |
| DN12 | 2331849M | ZENER HZ12C3 (TA) SI 500MW |
| DN13 | CH02021M | DIODE 1SS133 T-72 |
| ⚠ DP01 | 2342061 | DIODE D3SB(A)60. |
| DP02 | CH02011M | DIODE 1SR153-400 |
| DP03 | 2334324M | ZENER DIODE RD36E TAPE (B3) SI 500MW 36V |
| DP04A | 2331844M | ZENER HZ12-B1 |
| DP05 | CH02011M | DIODE 1SR153-400 |
| DP06 | CH00183R | LIGHT EMITTING DIODE (SLZ-981C-06-T1) |
| DP07 | 2337951G | DIODE RU4Z |
| DP08 | 2337951G | DIODE RU4Z |
| DP09 | 2338532M | DIODE EG01A (V1) |
| DP10 | 2334304M | ZENER RD30E (B3 T2/TP/TA) SI 5MA 30.51V |
| DP11 | CH00182R | LIGHT EMITTING DIODE (SLZ-381C-06-T1) |
| DP12 | 2337951G | DIODE RU4Z |
| DP13 | 2337951G | DIODE RU4Z |
| DP14 | 2359312 | DIODE RU3C (1000V) |
| DP15 | CH01061F | DIODE RU4AM(600V) |
| DP16 | 2339881M | ZENER HZS12A1 TA |
| DP17 | 2339857M | ZENER HZS7C1 SI |
| DP18 | 2339961M | ZENER HZS30-1 TA |
| DP19 | CH02021M | DIODE 1SS133 T-72 |
| DP20 | CH02021M | DIODE 1SS133 T-72 |
| DP21 | 2339827M | ZENER HZS4C1 TA |
| DP22 | CH02021M | DIODE 1SS133 T-72 |
| DP23 | CH00182R | LIGHT EMITTING DIODE (SLZ-381C-06-T1) |
| DP24 | CH02001M | DIODE 1SR139-400 |
| DP25 | CH02001M | DIODE 1SR139-400 |
| DP26 | CH02021M | DIODE 1SS133 T-72 |
| DP27 | CH02021M | DIODE 1SS133 T-72 |
| DP28 | CH02021M | DIODE 1SS133 T-72 |
| DP29 | 2339875M | ZENER HZS11B2 TA |
| DP30 | CH02021M | DIODE 1SS133 T-72 |
| DP31 | CH02021M | DIODE 1SS133 T-72 |
| DP34 | CH02021M | DIODE 1SS133 T-72 |
| DP35 | CH00182R | LIGHT EMITTING DIODE (SLZ-381C-06-T1) |
| DP37 | CH00182R | LIGHT EMITTING DIODE (SLZ-381C-06-T1) |
| DS01 | CH02021M | DIODE 1SS133 T-72 (DP17) |
| DS02 | CH02021M | DIODE 1SS133 T-72 (DP17) |
| DS07 | CH02021M | DIODE 1SS133 T-72 (DP17) |
| DS08 | CH02021M | DIODE 1SS133 T-72 (DP17) |
| DS09 | CH02021M | DIODE 1SS133 T-72 (DP17) |
| DS10 | CH02021M | DIODE 1SS133 T-72 (DP17) |
| DS11 | CH02021M | DIODE 1SS133 T-72 (DP17) |
| DS12 | CH02021M | DIODE 1SS133 T-72 (DP17) |
| DS13 | CH02021M | DIODE 1SS133 T-72 (DP17) |
| DS14 | CH02021M | DIODE 1SS133 T-72 (DP17) |
| DS15 | CH02021M | DIODE 1SS133 T-72 (DP17) |
| DS16 | CH02021M | DIODE 1SS133 T-72 (DP17) |
| DS17 | CH02021M | DIODE 1SS133 T-72 (DP17) |
| DS18 | 2331771M | ZENER HZ-3A1 TAPE (DP17) |
| DS19 | CH02021M | DIODE 1SS133 T-72 (DP17) |
| DS20 | 2331771M | ZENER HZ-3A1 TAPE (DP17) |
| DS21 | CH02021M | DIODE 1SS133 T-72 (DP17) |
| DS22 | CH02021M | DIODE 1SS133 T-72 (DP17) |
| DS23 | 2331771M | ZENER HZ-3A1 TAPE (DP17) |
| DS24 | CH02021M | DIODE 1SS133 T-72 (DP17) |
| DS25 | CC00003R | DIODE.CHIP 1SS355 (DP17) |
| DS26 | CH02021M | DIODE 1SS133 T-72 (DP17) |
| DT02 | CC00003R | DIODE.CHIP 1SS355 (DP17) |
| DT03 | CC00003R | DIODE.CHIP 1SS355 (DP17) |
| DT04 | CC00003R | DIODE.CHIP 1SS355 (DP17) |
| DX11 | 2331771M | ZENER HZ-3A1 TAPE |
| DX12 | 2331771M | ZENER HZ-3A1 TAPE |
| DX13 | CH02021M | DIODE 1SS133 T-72 |

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| SYMBOL NO. | PART NO. | PART DESCRIPTION |
|---|---|---|
| | | **FUSES** |
| ⚠ F901 | 2722359 | FUSE AC06A |
| ⚠ F902 | 2722354 | FUSE 2A (DP14G) |
| ⚠ F902 | 2722358 | FUSE AC05A (DP17) |
| ⚠ FP01 | 2722358 | FUSE AC05A |
| | | **SPARK GAPS** |
| ⚠ G801 | CJ00071R | SPARK GAP 1.5KV |
| ⚠ G802 | CJ00071R | SPARK GAP 1.5KV |
| ⚠ G851 | CJ00071R | SPARK GAP 1.5KV |
| ⚠ G852 | CJ00071R | SPARK GAP 1.5KV |
| ⚠ G8A1 | CJ00071R | SPARK GAP 1.5KV |
| ⚠ G8A2 | CJ00071R | SPARK GAP 1.5KV |
| ⚠ GF01 | CJ00072R | SPARK GAP 2.5KV |
| | | **ICs** |
| I001 | CP07166U | IC MN102H51KHZ (DP14G) |
| I001 | CP07169U | IC MN102H51KHC (DP17) |
| I002 | CP06941R | IC PST994I |
| I003 | CK35894R | IC CAT24WC32J1 |
| I004 | CK09541R | IC HD74HCT245T |
| I005 | CK31992R | IC BU4053BCF |
| I006 | CK31071R | IC CXA1875AM |
| I007 | CK31071R | IC CXA1875AM |
| I008 | CP04232 | ANALOG MONOLITHIC IC BA033T |
| I301 | CK09013U | IC UPD64082GF-3BA |
| I302 | CK06097R | ANALOG MONOLITHIC IC(PST9127NR) |
| I303 | CK35321R | IC MSM514265E-60JS |
| I501 | CK07923U | IC TA1270BF |
| I502 | CK35501R | MONO IC(NJM2284M-TE1) |
| I503 | CK01172R | HD74HC221FPEL |
| I601 | CP06891 | IC TDA8174A |
| I701 | 2362606 | IC NJM4558D |
| ⚠ I901 | CP07821U | MONO IC STR-G6632 (DP14G) |
| ⚠ I901 | CZ00864 | IC STR-F6626(LF1352) (DP17) |
| ⚠ I902 | CP07851 | MONO IC TLP421 |
| ⚠ I903 | CP07851 | MONO IC TLP421 |
| ⚠ I904 | CP07851 | MONO IC TLP421 |
| I905 | CP07612 | ANALOG MONO IC (NJM7806FA) (DP17) |
| I906 | CP05163F | IC SI-3090F |
| IA01 | CK35262R | IC NJW1132AM-TE1 (DP14G) |
| IA02 | CK35451R | IC NJM2198M (DP14G) |
| IA07 | CK35291R | IC NJM2043M (DP14G) |
| IC01 | CP07281U | IC TA1316AN |
| IC02 | CP07611 | ANALOG MONOLITHIC IC (NJM7805FA |
| IC03 | CP04232 | ANALOG MONOLITHIC IC BA033T |
| IC04 | CP06581U | IC LF25CV |
| IH01 | CP07091 | IC M62501P |
| IJ01 | 2004751 | IC TA8200AH |
| IJ02 | 2004751 | IC TA8200AH (DP17) |
| IJ03 | CP02601 | AN5285K (DP17) |
| IK01 | CP07611 | ANALOG MONOLITHIC IC (NJM7805FA |
| IK02 | CP01631R | ICL-PST9142 |
| IK04 | CZ00431 | HYBRID IC (STK392-110) |
| IK05 | CZ00431 | HYBRID IC (STK392-110) |

| SYMBOL NO. | PART NO. | PART DESCRIPTION |
|---|---|---|
| ⚠ IP01 | CZ00865 | STR-F6629B(LF1351) |
| ⚠ IP02 | CP07851 | MONO IC TLP421 |
| ⚠ IP03 | 2381343 | IC (SE115N) |
| IP04 | 2004665F | IC PQ09RF2B |
| IP05 | 2004666F | IC PQ05RF2B |
| IP06 | CP05141 | ANALOG MONOLITHIC IC (PQ6RD083) |
| IS01 | CK31071R | IC CXA1875AM (DP17) |
| IS03 | CK35291R | IC NJM2043M (DP17) |
| IS04 | CK35291R | IC NJM2043M (DP17) |
| IS05 | CK35291R | IC NJM2043M (DP17) |
| IS06 | CK35351R | IC M62446FP (DP17) |
| IS07 | CK35291R | IC NJM2043M (DP17) |
| IS08 | CK35291R | IC NJM2043M (DP17) |
| IS09 | CK35291R | IC NJM2043M (DP17) |
| IS10 | CK35361R | IC M62449FP (DP17) |
| IS11 | CK35291R | IC NJM2043M (DP17) |
| IS12 | CK35291R | IC NJM2043M (DP17) |
| IS13 | CP04231 | ANALOG MONOLITHIC IC BA05T/FP (DP17) |
| IS15 | 2004751 | IC TA8200AH (DP17) |
| IS16 | 2015762R | IC HD74HC151FPEL (DP17) |
| IS17 | CK34031R | IC TC74HCU04AF (DP17) |
| IT01 | CK09541R | IC HD74HCT245T (DP17) |
| IT02 | CK33841U | IC ZR38650 (DP17) |
| IT03 | CK33852R | IC AT27C040-12RC-DP1X (DP17) |
| IT04 | CK34041R | IC TC7SET04F (DP17) |
| IT05 | CK33861U | IC IS61C3216-15T (DP17) |
| IT06 | CK33861U | IC IS61C3216-15T (DP17) |
| IT07 | CK33872U | IC AK4527BVQ (DP17) |
| IT10 | CK35291R | IC NJM2043M (DP17) |
| IT12 | CK35291R | IC NJM2043M (DP17) |
| IT13 | CZ00671R | ANALOG MONOLITHIC IC (BA033FP-E2) (DP17) |
| IT14 | CZ00672R | ANALOG MONOLITHIC IC (BA05FP-E2) (DP17) |
| IX01 | CK30941U | IC CXA2069Q |
| IX02 | CW00022 | COMB FILTER (337KNT) |
| IX03 | CK07923U | IC TA1270BF |
| IX04 | CK35371U | IC VIDEO/SYNCSELECTOR CXA2151Q |
| IX05 | CK35371U | IC VIDEO/SYNCSELECTOR CXA2151Q |
| IX06 | CK31992R | IC BU4053BCF |
| IX07 | CK31992R | IC BU4053BCF |
| IX08 | 2015452R | IC HD74HC04FPEL |
| | | **COILS** |
| E002 | 2169513 | COIL LX-ZCAT2032 |
| E002 | 2169513 | COIL LX-ZCAT2032 |
| E002 | 2169513 | COIL LX-ZCAT2032 |
| E10B | GX00551 | MAG VM COIL36.5 6T 6.8UH |
| E10B | GX00371 | MAG DBV4253M VM COIL (43UWX) |
| E10B | GX00513 | MAG VM COIL29.5 6T 5.9UH (53/61UWX) |
| E10G | GX00551 | MAG VM COIL36.5 6T 6.8UH |
| E10G | GX00371 | MAG DBV4253M VM COIL (43UWX) |
| E10G | GX00513 | MAG VM COIL29.5 6T 5.9UH (53/61UWX) |
| E10R | GX00551 | MAG VM COIL36.5 6T 6.8UH |
| E10R | GX00371 | MAG DBV4253M VM COIL (43UWX) |
| E10R | GX00513 | MAG VM COIL29.5 6T 5.9UH (53/61UWX) |
| L001 | BH00697R | FILTER COIL 100UH |
| L002 | BH00697R | FILTER COIL 100UH |

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| SYMBOL NO. | PART NO. | PART DESCRIPTION | SYMBOL NO. | PART NO. | PART DESCRIPTION |
|---|---|---|---|---|---|
| L003 | 2123781R | FILTER COIL 100UH(EL0607) | L906 | BH01342M | COIL FERRITE BEADS 2.3UH |
| L004 | BH00697R | FILTER COIL 100UH | L907 | BH01342M | COIL FERRITE BEADS 2.3UH |
| L005 | BH00697R | FILTER COIL 100UH | L908 | BH01341M | COIL FERRITE BEADS 0.8UH |
| L006 | BH00697R | FILTER COIL 100UH | L909 | BH01341M | COIL FERRITE BEADS 0.8UH |
| L007 | BH00697R | FILTER COIL 100UH | L910 | BH01342M | COIL FERRITE BEADS 2.3UH |
| L008 | BH00697R | FILTER COIL 100UH | L911 | BH01342M | COIL FERRITE BEADS 2.3UH (DP17) |
| L009 | BH00697R | FILTER COIL 100UH | L912 | 2125797N | FILT.COIL(LHL08 10UH) |
| L010 | BJ00402 | 30MHZ BAND PASS LC FILTER 87F2 | L913 | 2125797N | FILT.COIL(LHL08 10UH) (DP17) |
| L012 | 2123415M | LAL AXIAL COIL 2.2UH-K | L914 | 2125797N | FILT.COIL(LHL08 10UH) |
| L013 | 2123415M | LAL AXIAL COIL 2.2UH-K | L915 | 2125797N | FILT.COIL(LHL08 10UH) (DP14G) |
| L014 | 2123415M | LAL AXIAL COIL 2.2UH-K | L916 | 2125806N | FILT.COIL(LHL08 47UH) (DP17) |
| L301 | BH00697R | FILTER COIL 100UH | L917 | 2125806N | FILT.COIL(LHL08 47UH) (DP17) |
| L302 | BH00697R | FILTER COIL 100UH | L918 | 2125808N | FILT.COIL(LHL08 68UH) |
| L303 | BH00697R | FILTER COIL 100UH | LA01 | BH00697R | FILTER COIL 100UH (DP14G) |
| L304 | BH00697R | FILTER COIL 100UH | LA02 | BH00697R | FILTER COIL 100UH (DP14G) |
| L305 | BH00693R | COIL 47UH | LA13 | BH00697R | FILTER COIL 100UH (DP14G) |
| L307 | BH00697R | FILTER COIL 100UH | LC01 | BH00671R | COIL 1.0UH |
| L308 | BH00697R | FILTER COIL 100UH | LC02 | BH00697R | FILTER COIL 100UH |
| L309 | BH00679R | COIL 4.7UH | LC03 | BH00697R | FILTER COIL 100UH |
| L310 | BH00691R | COIL 33UH | LC04 | BH00697R | FILTER COIL 100UH |
| L311 | BH00691R | COIL 33UH | LC05 | BH00697R | FILTER COIL 100UH |
| L501 | 2123781R | FILTER COIL 100UH(EL0607) | LC06 | BH00697R | FILTER COIL 100UH |
| L502 | 2123781R | FILTER COIL 100UH(EL0607) | LC07 | BH00697R | FILTER COIL 100UH |
| L503 | 2123781R | FILTER COIL 100UH(EL0607) | LC10 | BH00697R | FILTER COIL 100UH |
| L504 | 2123781R | FILTER COIL 100UH(EL0607) | LE01 | 2125811F | FILT.COIL(LHL08 100UH) |
| L505 | 2123781R | FILTER COIL 100UH(EL0607) | LE02 | 2125811F | FILT.COIL(LHL08 100UH) |
| L506 | BH01341M | COIL FERRITE BEADS 0.8UH | LE03 | BH01341M | COIL FERRITE BEADS 0.8UH |
| L507 | BH01341M | COIL FERRITE BEADS 0.8UH | LH01 | 2125814N | FILT.COIL(LHL08 180UH) |
| L508 | BH01341M | COIL FERRITE BEADS 0.8UH | LH03 | BH01342M | COIL FERRITE BEADS 2.3UH |
| L551 | BH00697R | FILTER COIL 100UH | LH04 | BH01341M | COIL FERRITE BEADS 0.8UH |
| L552 | BH00697R | FILTER COIL 100UH | LH05 | BH01342M | COIL FERRITE BEADS 2.3UH |
| L553 | BH00697R | FILTER COIL 100UH | LH06 | 2125824N | FILT.COIL(LHL08 1000UH) |
| L554 | BH00697R | FILTER COIL 100UH | LJ01 | BH01341M | COIL FERRITE BEADS 0.8UH |
| L555 | 2123107M | LAL02 AXIAL COIL 22UH-K | LJ02 | BH01341M | COIL FERRITE BEADS 0.8UH |
| L601 | 2125803N | FILT.COIL(LHL08 27UH) | LJ03 | BH01341M | COIL FERRITE BEADS 0.8UH (DP17) |
| L702 | BH00229R | COIL 472K-1T7608A | LJ04 | BH01341M | COIL FERRITE BEADS 0.8UH (DP17) |
| L703 | BH00228R | COIL 332K-1T7608A | LJ05 | BH00697R | FILTER COIL 100UH (DP17) |
| L704 | BZ04612 | HORIZONTAL LINEARITY COIL 13UH (DP14G) | LK07 | BH01341M | COIL FERRITE BEADS 0.8UH |
| L704 | BZ04614 | HORIZONTAL LINEARITY COIL 9UH (DP17) | LK08 | BH01341M | COIL FERRITE BEADS 0.8UH |
| L705 | BZ04611 | HORIZONTAL LINEARITY COIL 6UH (DP14G) | LK09 | BH01342M | COIL FERRITE BEADS 2.3UH |
| L705 | BZ04613 | HORIZONTAL LINEARITY COIL 3UH (DP17) | LK10 | BH01342M | COIL FERRITE BEADS 2.3UH |
| L801 | BH00684R | COIL 10UH | LK11 | BH01342M | COIL FERRITE BEADS 2.3UH |
| L803 | BH00685R | COIL 12UH | LK13 | BH01342M | COIL FERRITE BEADS 2.3UH |
| L805 | BH00673R | COIL 1.5UH | LK14 | 2125808N | FILT.COIL(LHL08 68UH) |
| L851 | BH00684R | COIL 10UH | LL01 | 2125811F | FILT.COIL(LHL08 100UH) |
| L853 | BH00685R | COIL 12UH | LP01 | BH01342M | COIL FERRITE BEADS 2.3UH |
| L855 | BH00673R | COIL 1.5UH | LP02 | BH01342M | COIL FERRITE BEADS 2.3UH |
| L8A1 | BH00684R | COIL 10UH | LP03 | BH01341M | COIL FERRITE BEADS 0.8UH |
| L8A3 | BH00685R | COIL 12UH | LP04 | BH01341M | COIL FERRITE BEADS 0.8UH |
| L8A5 | BH00677R | COIL 3.3UH | LP07 | 2125797N | FILT.COIL(LHL08 10UH) |
| L8A6 | BH00697R | FILTER COIL 100UH | LP10 | 2125797N | FILT.COIL(LHL08 10UH) |
| ⚠ L901 | BZ02561 | LINE FILTER 4.7MH 3.5A (DP17) | LP11 | 2125811N | FILT.COIL(LHL08 100UH) |
| ⚠ L901 | BZ04581 | LINE FILTER 4.7MH 3.5A (DP14G) | LP12 | 2125803N | FILT.COIL(LHL08 27UH) |
| ⚠ L902 | BZ02561 | LINE FILTER 4.7MH 3.5A (DP17) | LP15 | 2125806N | FILT.COIL(LHL08 47UH) |
| ⚠ L902 | BZ04591 | LINE FILTER 1.5MH 3.5A (DP14G) | LP16 | 2125803N | FILT.COIL(LHL08 27UH) |
| ⚠ L905 | BZ04591 | LINE FILTER 1.5MH 3.5A | LP17 | 2125806N | FILT.COIL(LHL08 47UH) |

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| SYMBOL NO. | PART NO. | PART DESCRIPTION |
|---|---|---|
| LP18 | 2125811N | FILT.COIL(LHL08 100UH) |
| LP19 | 2125808N | FILT.COIL(LHL08 68UH) |
| LP20 | 2125797N | FILT.COIL(LHL08 10UH) |
| LP22 | 2125797N | FILT.COIL(LHL08 10UH) |
| LP25 | 2125808N | FILT.COIL(LHL08 68UH) |
| LS01 | BH00697R | FILTER COIL 100UH (DP17) |
| LS03 | BH00697R | FILTER COIL 100UH (DP17) |
| LS04 | BH00697R | FILTER COIL 100UH (DP17) |
| LS05 | BH00697R | FILTER COIL 100UH (DP17) |
| LS06 | BH00697R | FILTER COIL 100UH (DP17) |
| LS07 | BH00697R | FILTER COIL 100UH (DP17) |
| LS08 | BH00697R | FILTER COIL 100UH (DP17) |
| LS15 | BH00697R | FILTER COIL 100UH (DP17) |
| LS16 | BH00697R | FILTER COIL 100UH (DP17) |
| LS17 | BH01341M | COIL FERRITE BEADS 0.8UH (DP17) |
| LS18 | BH01341M | COIL FERRITE BEADS 0.8UH (DP17) |
| LS19 | 2123415M | LAL AXIAL COIL 2.2UH-K (DP17) |
| LT01 | BH01341M | COIL FERRITE BEADS 0.8UH (DP17) |
| LT15 | BM00288R | FERRAIT CORE-CHIP 470-M (DP17) |
| LT16 | BM00288R | FERRAIT CORE-CHIP 470-M (DP17) |
| LT17 | BM00288R | FERRAIT CORE-CHIP 470-M (DP17) |
| LT18 | BM00288R | FERRAIT CORE-CHIP 470-M (DP17) |
| LT19 | BM00288R | FERRAIT CORE-CHIP 470-M (DP17) |
| LT20 | BM00288R | FERRAIT CORE-CHIP 470-M (DP17) |
| LT21 | BH01341M | COIL FERRITE BEADS 0.8UH (DP17) |
| LT23 | BH01341M | COIL FERRITE BEADS 0.8UH (DP17) |
| LT24 | BH01341M | COIL FERRITE BEADS 0.8UH (DP17) |
| LX01 | BH00697R | FILTER COIL 100UH |
| LX02 | BH00697R | FILTER COIL 100UH |
| LX03 | BH00697R | FILTER COIL 100UH |
| LX04 | BH00697R | FILTER COIL 100UH |
| LX05 | BH00697R | FILTER COIL 100UH |
| LX06 | BH00697R | FILTER COIL 100UH |
| LX07 | BH00697R | FILTER COIL 100UH |
| LX08 | BH00697R | FILTER COIL 100UH |
| LX09 | BH00697R | FILTER COIL 100UH |
| LX10 | BH00697R | FILTER COIL 100UH |
| | | **TRANSISTORS** |
| Q001 | 2325691R | TRS CHIP 2SC2412K(Q/R TYPE) |
| Q002 | CA11271R | TRS 2SA1037AK T146 RS |
| Q003 | 2325691R | TRS CHIP 2SC2412K(Q/R TYPE) |
| Q004 | 2325691R | TRS CHIP 2SC2412K(Q/R TYPE) |
| Q005 | 2325691R | TRS CHIP 2SC2412K(Q/R TYPE) |
| Q006 | 2325691R | TRS CHIP 2SC2412K(Q/R TYPE) |
| Q007 | 2325691R | TRS CHIP 2SC2412K(Q/R TYPE) |
| Q008 | CA11271R | TRS 2SA1037AK T146 RS |
| Q009 | CA11271R | TRS 2SA1037AK T146 RS |
| Q010 | 2325691R | TRS CHIP 2SC2412K(Q/R TYPE) |
| Q011 | CA11271R | TRS 2SA1037AK T146 RS |
| Q012 | CA11271R | TRS 2SA1037AK T146 RS |
| Q013 | 2325691R | TRS CHIP 2SC2412K(Q/R TYPE) |
| Q014 | 2325691R | TRS CHIP 2SC2412K(Q/R TYPE) |
| Q015 | CA11271R | TRS 2SA1037AK T146 RS |
| Q016 | 2325691R | TRS CHIP 2SC2412K(Q/R TYPE) |
| Q017 | 2325691R | TRS CHIP 2SC2412K(Q/R TYPE) |
| Q018 | 2320637M | TRS. 2SA673 (C 26TZ/D 26TZ) SI 80MHZ 400MW |
| Q019 | 2325691R | TRS CHIP 2SC2412K(Q/R TYPE) |
| Q020 | 2325691R | TRS CHIP 2SC2412K(Q/R TYPE) |
| Q021 | 2325691R | TRS CHIP 2SC2412K(Q/R TYPE) |
| Q022 | CA11271R | TRS 2SA1037AK T146 RS |
| Q023 | 2325691R | TRS CHIP 2SC2412K(Q/R TYPE) |
| Q024 | CA11271R | TRS 2SA1037AK T146 RS |
| Q026 | 2325691R | TRS CHIP 2SC2412K(Q/R TYPE) |
| Q301 | 2325691R | TRS CHIP 2SC2412K(Q/R TYPE) |
| Q302 | CA11271R | TRS 2SA1037AK T146 RS |
| Q303 | 2325691R | TRS CHIP 2SC2412K(Q/R TYPE) |
| Q304 | CA11271R | TRS 2SA1037AK T146 RS |
| Q305 | 2325691R | TRS CHIP 2SC2412K(Q/R TYPE) |
| Q306 | CA11271R | TRS 2SA1037AK T146 RS |
| Q307 | 2325691R | TRS CHIP 2SC2412K(Q/R TYPE) |
| Q308 | CA11271R | TRS 2SA1037AK T146 RS |
| Q309 | CA11271R | TRS 2SA1037AK T146 RS |
| Q310 | 2325691R | TRS CHIP 2SC2412K(Q/R TYPE) |
| Q311 | CA11271R | TRS 2SA1037AK T146 RS |
| Q312 | 2325691R | TRS CHIP 2SC2412K(Q/R TYPE) |
| Q313 | CA11271R | TRS 2SA1037AK T146 RS |
| Q314 | 2325691R | TRS CHIP 2SC2412K(Q/R TYPE) |
| Q315 | CA11271R | TRS 2SA1037AK T146 RS |
| Q316 | 2325691R | TRS CHIP 2SC2412K(Q/R TYPE) |
| Q317 | CA11271R | TRS 2SA1037AK T146 RS |
| Q501 | 2325691R | TRS CHIP 2SC2412K(Q/R TYPE) |
| Q502 | 2325691R | TRS CHIP 2SC2412K(Q/R TYPE) |
| Q503 | 2325691R | TRS CHIP 2SC2412K(Q/R TYPE) |
| Q504 | 2325691R | TRS CHIP 2SC2412K(Q/R TYPE) |
| Q505 | 2325691R | TRS CHIP 2SC2412K(Q/R TYPE) |
| Q506 | 2325691R | TRS CHIP 2SC2412K(Q/R TYPE) |
| Q507 | 2320663M | TRS. 2SC1213A (C) |
| Q551 | CA11271R | TRS 2SA1037AK T146 RS |
| Q552 | CA11271R | TRS 2SA1037AK T146 RS |
| Q553 | CA11271R | TRS 2SA1037AK T146 RS |
| Q554 | 2325691R | TRS CHIP 2SC2412K(Q/R TYPE) |
| Q555 | 2325691R | TRS CHIP 2SC2412K(Q/R TYPE) |
| Q556 | 2325691R | TRS CHIP 2SC2412K(Q/R TYPE) |
| Q557 | 2325691R | TRS CHIP 2SC2412K(Q/R TYPE) |
| Q558 | 2325691R | TRS CHIP 2SC2412K(Q/R TYPE) |
| Q559 | 2325691R | TRS CHIP 2SC2412K(Q/R TYPE) |
| Q560 | 2325691R | TRS CHIP 2SC2412K(Q/R TYPE) |
| Q561 | CA11271R | TRS 2SA1037AK T146 RS |
| Q562 | 2325691R | TRS CHIP 2SC2412K(Q/R TYPE) |
| Q563 | CA11271R | TRS 2SA1037AK T146 RS |
| Q564 | CA11271R | TRS 2SA1037AK T146 RS |
| Q603 | 2320591M | TRS. 2SC458 (B TZ/C TZ) SI 230MHZ200MW |
| Q604 | 2320637M | TRS. 2SA673 (C 26TZ/D 26TZ) SI 80MHZ 400MW |
| Q701 | 2328102 | TRS.FN-521 |
| Q703 | 2326811R | TRANSISTOR 2SC3468 (E/F) |
| Q705 | 2320591M | TRS. 2SC458 (B TZ/C TZ) SI 230MHZ200MW |
| Q706 | 2320591M | TRS. 2SC458 (B TZ/C TZ) SI 230MHZ200MW |
| Q707 | 2320591M | TRS. 2SC458 (B TZ/C TZ) SI 230MHZ200MW |
| Q708 | 2320663M | TRS. 2SC1213A (C) |
| Q709 | 2326216 | TRS. 2SC3116 (S/T) |
| Q710 | 2320591M | TRS. 2SC458 (B TZ/C TZ) SI 230MHZ200MW |
| ⚠ Q777 | CF02691F | TRS. 2SC5682 (DP17) |

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| SYMBOL NO. | PART NO. | PART DESCRIPTION |
|---|---|---|
| ⚠ Q777 | CF02731F | TRS. 2SC5681 (DP14G) |
| Q801 | 2327471F | TRS.2SC3950 (HIT D/E) |
| Q802 | 2320591M | TRS. 2SC458 (B TZ/C TZ) SI 230MHZ200MW |
| Q803 | 2312372F | TRS-2SC3942 |
| Q804 | 2312773F | TRS-2SA1546(2)M/L |
| Q805 | 2312372F | TRS-2SC3942 |
| Q812 | 2312372F | TRS-2SC3942 |
| Q851 | 2327471F | TRS.2SC3950 (HIT D/E) |
| Q852 | 2320591M | TRS. 2SC458 (B TZ/C TZ) SI 230MHZ200MW |
| Q853 | 2312372F | TRS-2SC3942 |
| Q854 | 2312773F | TRS-2SA1546(2)M/L |
| Q855 | 2312372F | TRS-2SC3942 |
| Q858 | 2320637M | TRS. 2SA673 (C 26TZ/D 26TZ) SI 80MHZ 400MW |
| Q859 | 2320591M | TRS. 2SC458 (B TZ/C TZ) SI 230MHZ200MW |
| Q862 | 2312372F | TRS-2SC3942 |
| Q8A1 | 2327471F | TRS.2SC3950 (HIT D/E) |
| Q8A2 | 2320591M | TRS. 2SC458 (B TZ/C TZ) SI 230MHZ200MW |
| Q8A3 | 2312372F | TRS-2SC3942 |
| Q8A4 | 2312773F | TRS-2SA1546(2)M/L |
| Q8A5 | 2312372F | TRS-2SC3942 |
| Q8A6 | 2320637M | TRS. 2SA673 (C 26TZ/D 26TZ) SI 80MHZ 400MW |
| Q8A7 | 2320591M | TRS. 2SC458 (B TZ/C TZ) SI 230MHZ200MW |
| Q8C1 | 2320591M | TRS. 2SC458 (B TZ/C TZ) SI 230MHZ200MW |
| Q8C2 | 2312372F | TRS-2SC3942 |
| Q901 | 2320637M | TRS. 2SA673 (C 26TZ/D 26TZ) SI 80MHZ 400MW |
| Q902 | 2320591M | TRS. 2SC458 (B TZ/C TZ) SI 230MHZ200MW |
| Q910 | 2320637M | TRS. 2SA673 (C 26TZ/D 26TZ) SI 80MHZ 400MW (DP17) |
| Q911 | 2320637M | TRS. 2SA673 (C 26TZ/D 26TZ) SI 80MHZ 400MW (DP17) |
| Q912 | 2312171 | TRS. 2SC3852 (DP17) |
| Q914 | 2320591M | TRS. 2SC458 (B TZ/C TZ) SI 230MHZ200MW |
| Q915 | 2320637M | TRS. 2SA673 (C 26TZ/D 26TZ) SI 80MHZ 400MW |
| Q916 | 2320591M | TRS. 2SC458 (B TZ/C TZ) SI 230MHZ200MW |
| Q917 | 2320591M | TRS. 2SC458 (B TZ/C TZ) SI 230MHZ200MW |
| Q918 | 2320591M | TRS. 2SC458 (B TZ/C TZ) SI 230MHZ200MW |
| Q919 | 2320637M | TRS. 2SA673 (C 26TZ/D 26TZ) SI 80MHZ 400MW |
| Q920 | 2320591M | TRS. 2SC458 (B TZ/C TZ) SI 230MHZ200MW |
| QA01 | 2325691R | TRS CHIP 2SC2412K(Q/R TYPE) (DP14G) |
| QA02 | CA11271R | TRS 2SA1037AK T146 RS (DP14G) |
| QA03 | 2325691R | TRS CHIP 2SC2412K(Q/R TYPE) (DP14G) |
| QA04 | CA11271R | TRS 2SA1037AK T146 RS (DP14G) |
| QA05 | 2325691R | TRS CHIP 2SC2412K(Q/R TYPE) (DP14G) |
| QA06 | 2325691R | TRS CHIP 2SC2412K(Q/R TYPE) (DP14G) |
| QC01 | 2325691R | TRS CHIP 2SC2412K(Q/R TYPE) |
| QC02 | 2325691R | TRS CHIP 2SC2412K(Q/R TYPE) |
| QC03 | 2325691R | TRS CHIP 2SC2412K(Q/R TYPE) |
| QC04 | 2325691R | TRS CHIP 2SC2412K(Q/R TYPE) |
| QC05 | 2325691R | TRS CHIP 2SC2412K(Q/R TYPE) |
| QC06 | 2325691R | TRS CHIP 2SC2412K(Q/R TYPE) |
| QC07 | 2325691R | TRS CHIP 2SC2412K(Q/R TYPE) |
| QC08 | 2325691R | TRS CHIP 2SC2412K(Q/R TYPE) |
| QC09 | 2325691R | TRS CHIP 2SC2412K(Q/R TYPE) |
| QC10 | 2325691R | TRS CHIP 2SC2412K(Q/R TYPE) |
| QC11 | CA11271R | TRS 2SA1037AK T146 RS |
| QC12 | 2325691R | TRS CHIP 2SC2412K(Q/R TYPE) |
| QC13 | CA11271R | TRS 2SA1037AK T146 RS |
| QC14 | 2325691R | TRS CHIP 2SC2412K(Q/R TYPE) |
| QC15 | 2325691R | TRS CHIP 2SC2412K(Q/R TYPE) |
| QC16 | 2325691R | TRS CHIP 2SC2412K(Q/R TYPE) |
| QC17 | 2325691R | TRS CHIP 2SC2412K(Q/R TYPE) |
| QC18 | 2325691R | TRS CHIP 2SC2412K(Q/R TYPE) |
| QC19 | CA11271R | TRS 2SA1037AK T146 RS |
| QC20 | CA11271R | TRS 2SA1037AK T146 RS |
| QC21 | CA11271R | TRS 2SA1037AK T146 RS |
| QC22 | CA11271R | TRS 2SA1037AK T146 RS |
| QC23 | CA11271R | TRS 2SA1037AK T146 RS |
| QC24 | CA11271R | TRS 2SA1037AK T146 RS |
| QC26 | 2320663M | TRS. 2SC1213A (C) |
| QC30 | 2320637M | TRS. 2SA673 (C 26TZ/D 26TZ) SI 80MHZ 400MW |
| QC31 | CA11271R | TRS 2SA1037AK T146 RS |
| QC35 | 2320637M | TRS. 2SA673 (C 26TZ/D 26TZ) SI 80MHZ 400MW |
| QC36 | CA11271R | TRS 2SA1037AK T146 RS |
| QC40 | 2320637M | TRS. 2SA673 (C 26TZ/D 26TZ) SI 80MHZ 400MW |
| QC41 | CA11271R | TRS 2SA1037AK T146 RS |
| QC42 | CA11271R | TRS 2SA1037AK T146 RS |
| QE01 | 2320591M | TRS. 2SC458 (B TZ/C TZ) SI 230MHZ200MW |
| QE02 | 2320591M | TRS. 2SC458 (B TZ/C TZ) SI 230MHZ200MW |
| QE03 | 2320591M | TRS. 2SC458 (B TZ/C TZ) SI 230MHZ200MW |
| QE04 | 2320591M | TRS. 2SC458 (B TZ/C TZ) SI 230MHZ200MW |
| QE05 | 2320591M | TRS. 2SC458 (B TZ/C TZ) SI 230MHZ200MW |
| QE07 | CF01881R | TRS. 2SA1283 E |
| QE08 | CF01871R | TRS. 2SC3243 E |
| QE10 | CF01871R | TRS. 2SC3243 E |
| QE11 | CF01881R | TRS. 2SA1283 E |
| QE22 | 2326821R | TRANSISTOR 2SA1371 (E/F) |
| QE23 | 2315381 | TRS. 2SA1837 |
| QE24 | 2315381 | TRS. 2SA1837 |
| QE25 | 2315391 | TRS. 2SC4793 |
| QE26 | 2315391 | TRS. 2SC4793 |
| QE35 | 2326811R | TRANSISTOR 2SC3468 (E/F) |
| QE36 | 2320591M | TRS. 2SC458 (B TZ/C TZ) SI 230MHZ200MW |
| QF03 | 2320663M | TRS. 2SC1213A (C) |
| QF04 | 2320637M | TRS. 2SA673 (C 26TZ/D 26TZ) SI 80MHZ 400MW |
| QF05 | 2320663M | TRS. 2SC1213A (C) |
| QF06 | CF00131 | TRS. 2SC5022 (1500V) (DP17) |
| QF06 | CF00821F | TRS. 2SC4686A 1200V (DP14G) |
| QF07 | CF00131 | TRS. 2SC5022 (1500V) (DP17) |
| QF07 | CF00821F | TRS. 2SC4686A 1200V (DP14G) |
| QF08 | CF00131 | TRS. 2SC5022 (1500V) (DP17) |
| QF08 | CF00821F | TRS. 2SC4686A 1200V (DP14G) |
| ⚠ QH01 | CF01583F | TRS. 2SK2771-01R-F168R |
| QH02 | 2320663M | TRS. 2SC1213A (C) |
| QJ01 | CA00461R | TRS.CHIP 2SD2114K 20V TAPE |
| QJ02 | CA00461R | TRS.CHIP 2SD2114K 20V TAPE |
| QJ03 | 2325691R | TRS CHIP 2SC2412K(Q/R TYPE) |
| QJ04 | 2325691R | TRS CHIP 2SC2412K(Q/R TYPE) |
| QJ05 | CA00461R | TRS.CHIP 2SD2114K 20V TAPE (DP17) |
| QJ06 | CA00461R | TRS.CHIP 2SD2114K 20V TAPE (DP17) |
| QJ07 | 2325691R | TRS CHIP 2SC2412K(Q/R TYPE) (DP17) |
| QJ08 | 2325691R | TRS CHIP 2SC2412K(Q/R TYPE) (DP17) |
| QK01 | 2312171 | TRS. 2SC3852 |
| QK02 | 2320637M | TRS. 2SA673 (C 26TZ/D 26TZ) SI 80MHZ 400MW |
| QK03 | 2320637M | TRS. 2SA673 (C 26TZ/D 26TZ) SI 80MHZ 400MW |

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| SYMBOL NO. | PART NO. | PART DESCRIPTION |
|---|---|---|
| QK06 | 2320591M | TRS. 2SC458 (B TZ/C TZ) SI 230MHZ200MW |
| QK07 | 2320591M | TRS. 2SC458 (B TZ/C TZ) SI 230MHZ200MW |
| QK08 | 2320591M | TRS. 2SC458 (B TZ/C TZ) SI 230MHZ200MW |
| QL10 | 2320637M | TRS. 2SA673 (C 26TZ/D 26TZ) SI 80MHZ 400MW |
| QL11 | 2320637M | TRS. 2SA673 (C 26TZ/D 26TZ) SI 80MHZ 400MW |
| QL12 | 2320637M | TRS. 2SA673 (C 26TZ/D 26TZ) SI 80MHZ 400MW (DP17) |
| QL13 | 2320637M | TRS. 2SA673 (C 26TZ/D 26TZ) SI 80MHZ 400MW (DP17) |
| QL14 | 2320637M | TRS. 2SA673 (C 26TZ/D 26TZ) SI 80MHZ 400MW (DP17) |
| QL15 | 2320637M | TRS. 2SA673 (C 26TZ/D 26TZ) SI 80MHZ 400MW (DP17) |
| QL16 | 2320637M | TRS. 2SA673 (C 26TZ/D 26TZ) SI 80MHZ 400MW |
| QL17 | 2320637M | TRS. 2SA673 (C 26TZ/D 26TZ) SI 80MHZ 400MW |
| QM01 | 2320591M | TRS. 2SC458 (B TZ/C TZ) SI 230MHZ200MW |
| QM02 | 2312992 | PHOTO TRS. RPT-38PT3F (M) |
| QM03 | 2320591M | TRS. 2SC458 (B TZ/C TZ) SI 230MHZ200MW |
| QM04 | 2320591M | TRS. 2SC458 (B TZ/C TZ) SI 230MHZ200MW |
| QM05 | 2320591M | TRS. 2SC458 (B TZ/C TZ) SI 230MHZ200MW |
| QN01 | 2320591M | TRS. 2SC458 (B TZ/C TZ) SI 230MHZ200MW |
| QN02 | 2320637M | TRS. 2SA673 (C 26TZ/D 26TZ) SI 80MHZ 400MW |
| QN03 | 2320591M | TRS. 2SC458 (B TZ/C TZ) SI 230MHZ200MW |
| QN04 | 2320591M | TRS. 2SC458 (B TZ/C TZ) SI 230MHZ200MW |
| QN05 | 2320591M | TRS. 2SC458 (B TZ/C TZ) SI 230MHZ200MW |
| QN06 | 2320591M | TRS. 2SC458 (B TZ/C TZ) SI 230MHZ200MW |
| QP02 | CF02281R | TRS. 2SA821S |
| QP03 | 2320637M | TRS. 2SA673 (C 26TZ/D 26TZ) SI 80MHZ 400MW |
| QS01 | CA01241R | TRS.CHIP 2SK160 (DP17) |
| QS02 | CA11252R | TRS.CHIP DTA144EKA (DP17) |
| QS03 | CA11262R | TRS.-CHIP DTC144EKA (DP17) |
| QS04 | CA01241R | TRS.CHIP 2SK160 (DP17) |
| QS05 | CA11252R | TRS.CHIP DTA144EKA (DP17) |
| QS06 | CA11262R | TRS.-CHIP DTC144EKA (DP17) |
| QS07 | CA00461R | TRS.CHIP 2SD2114K 20V TAPE (DP17) |
| QS08 | CA00461R | TRS.CHIP 2SD2114K 20V TAPE (DP17) |
| QS09 | 2325691R | TRS CHIP 2SC2412K(Q/R TYPE) (DP17) |
| QS10 | 2325691R | TRS CHIP 2SC2412K(Q/R TYPE) (DP17) |
| QS11 | 2325691R | TRS CHIP 2SC2412K(Q/R TYPE) (DP17) |
| QS13 | 2325691R | TRS CHIP 2SC2412K(Q/R TYPE) (DP17) |
| QS15 | 2325691R | TRS CHIP 2SC2412K(Q/R TYPE) (DP17) |
| QS16 | 2325691R | TRS CHIP 2SC2412K(Q/R TYPE) (DP17) |
| QS17 | 2325691R | TRS CHIP 2SC2412K(Q/R TYPE) (DP17) |
| QS18 | 2325691R | TRS CHIP 2SC2412K(Q/R TYPE) (DP17) |
| QS19 | CA01241R | TRS.CHIP 2SK160 (DP17) |
| QS20 | CA11252R | TRS.CHIP DTA144EKA (DP17) |
| QS21 | CA11262R | TRS.-CHIP DTC144EKA (DP17) |
| QT01 | 2325691R | TRS CHIP 2SC2412K(Q/R TYPE) (DP17) |
| QT02 | 2325691R | TRS CHIP 2SC2412K(Q/R TYPE) (DP17) |
| QT03 | CA00461R | TRS.CHIP 2SD2114K 20V TAPE (DP17) |
| QT04 | CA00461R | TRS.CHIP 2SD2114K 20V TAPE (DP17) |
| QT05 | CA00461R | TRS.CHIP 2SD2114K 20V TAPE (DP17) |
| QT06 | CA00461R | TRS.CHIP 2SD2114K 20V TAPE (DP17) |
| QT07 | CA00461R | TRS.CHIP 2SD2114K 20V TAPE (DP17) |
| QT08 | CA00461R | TRS.CHIP 2SD2114K 20V TAPE (DP17) |
| QT09 | CA11252R | TRS.CHIP DTA144EKA (DP17) |
| QT10 | CA11262R | TRS.-CHIP DTC144EKA (DP17) |
| QX01 | 2320663M | TRS. 2SC1213A (C) |
| QX02 | 2320663M | TRS. 2SC1213A (C) |
| QX03 | 2320663M | TRS. 2SC1213A (C) |
| QX04 | 2325691R | TRS CHIP 2SC2412K(Q/R TYPE) |
| QX05 | 2325691R | TRS CHIP 2SC2412K(Q/R TYPE) |
| QX06 | 2325691R | TRS CHIP 2SC2412K(Q/R TYPE) |
| QX07 | 2325691R | TRS CHIP 2SC2412K(Q/R TYPE) |
| QX08 | CA11271R | TRS 2SA1037AK T146 RS |
| QX09 | CA11271R | TRS 2SA1037AK T146 RS |
| QX10 | 2325691R | TRS CHIP 2SC2412K(Q/R TYPE) |
| QX11 | 2325691R | TRS CHIP 2SC2412K(Q/R TYPE) |
| QX12 | 2325691R | TRS CHIP 2SC2412K(Q/R TYPE) |
| QX13 | CA11271R | TRS 2SA1037AK T146 RS |
| QX14 | CA11271R | TRS 2SA1037AK T146 RS |
| QX15 | CA11271R | TRS 2SA1037AK T146 RS |
| QX16 | 2325691R | TRS CHIP 2SC2412K(Q/R TYPE) |
| QX17 | 2325691R | TRS CHIP 2SC2412K(Q/R TYPE) |
| QX18 | CA11271R | TRS 2SA1037AK T146 RS |
| QX19 | CA11271R | TRS 2SA1037AK T146 RS |
| QX20 | CA11271R | TRS 2SA1037AK T146 RS |
| QX21 | CA11271R | TRS 2SA1037AK T146 RS |
| QX22 | CA11271R | TRS 2SA1037AK T146 RS |
| QX23 | CA11271R | TRS 2SA1037AK T146 RS |
| QX24 | CA11271R | TRS 2SA1037AK T146 RS |
| QX36 | 2325691R | TRS CHIP 2SC2412K(Q/R TYPE) |
| QX37 | 2325691R | TRS CHIP 2SC2412K(Q/R TYPE) |
| QX40 | 2325691R | TRS CHIP 2SC2412K(Q/R TYPE) |
| QX41 | 2325691R | TRS CHIP 2SC2412K(Q/R TYPE) |
| | | **RESISTORS** |
| R001 | 0790001R | CHIP RESISTOR RECJUMPER-1-16C16T1608 |
| R002 | 0790051R | RES.CHIP 1/16W 10K OHM |
| R003 | 0790044R | RES.CHIP 1/16W 3.3K OHM |
| R004 | 0790044R | RES.CHIP 1/16W 3.3K OHM |
| R005 | 0790037R | RES.CHIP 1/16W 1.0K OHM |
| R006 | 0790051R | RES.CHIP 1/16W 10K OHM |
| R007 | 0790051R | RES.CHIP 1/16W 10K OHM |
| R008 | 0790051R | RES.CHIP 1/16W 10K OHM |
| R009 | 0790051R | RES.CHIP 1/16W 10K OHM |
| R010 | 0790024R | RES.CHIP 1/16W 100 OHM |
| R011 | 0790024R | RES.CHIP 1/16W 100 OHM |
| R012 | 0790024R | RES.CHIP 1/16W 100 OHM |
| R013 | 0790024R | RES.CHIP 1/16W 100 OHM |
| R014 | 0790051R | RES.CHIP 1/16W 10K OHM |
| R015 | 0790051R | RES.CHIP 1/16W 10K OHM |
| R016 | 0790051R | RES.CHIP 1/16W 10K OHM |
| R017 | 0790051R | RES.CHIP 1/16W 10K OHM |
| R018 | 0790024R | RES.CHIP 1/16W 100 OHM |
| R019 | 0790024R | RES.CHIP 1/16W 100 OHM |
| R020 | 0790024R | RES.CHIP 1/16W 100 OHM |
| R021 | 0790024R | RES.CHIP 1/16W 100 OHM |
| R022 | 0790037R | RES.CHIP 1/16W 1.0K OHM |
| R023 | 0790024R | RES.CHIP 1/16W 100 OHM |
| R024 | 0790037R | RES.CHIP 1/16W 1.0K OHM |
| R025 | 0790051R | RES.CHIP 1/16W 10K OHM |
| R026 | 0790077R | RES.CHIP 1/16W 1.0M OHM |
| R027 | 0790024R | RES.CHIP 1/16W 100 OHM |
| R028 | 0790051R | RES.CHIP 1/16W 10K OHM |
| R029 | 0790051R | RES.CHIP 1/16W 10K OHM |

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| SYMBOL NO. | PART NO. | PART DESCRIPTION | SYMBOL NO. | PART NO. | PART DESCRIPTION |
|---|---|---|---|---|---|
| R030 | 0790051R | RES.CHIP 1/16W 10K OHM | R092 | 0790059R | RES.CHIP 1/16W 47K OHM |
| R031 | 0790037R | RES.CHIP 1/16W 1.0K OHM | R093 | 0790047R | RES.CHIP 1/16W 5.6K OHM |
| R032 | 0790037R | RES.CHIP 1/16W 1.0K OHM | R094 | 0790024R | RES.CHIP 1/16W 100 OHM |
| R033 | 0790037R | RES.CHIP 1/16W 1.0K OHM | R095 | 0790044R | RES.CHIP 1/16W 3.3K OHM |
| R034 | 0790026R | RES.CHIP 1/16W 150 OHM | R096 | 0790037R | RES.CHIP 1/16W 1.0K OHM |
| R035 | 0790044R | RES.CHIP 1/16W 3.3K OHM | R097 | 0790057R | RES.CHIP 1/16W 33K OHM |
| R036 | 0790024R | RES.CHIP 1/16W 100 OHM | R098 | 0790051R | RES.CHIP 1/16W 10K OHM |
| R037 | 0790042R | RES.CHIP 1/16W 2.2K OHM | R0A0 | 0790037R | RES.CHIP 1/16W 1.0K OHM |
| R038 | 0790034R | RES.CHIP 1/16W 560 OHM | R0A1 | 0790037R | RES.CHIP 1/16W 1.0K OHM |
| R039 | 0790034R | RES.CHIP 1/16W 560 OHM | R0A2 | 0790037R | RES.CHIP 1/16W 1.0K OHM |
| R040 | 0790038R | RES.CHIP 1/16W 1.2K OHM | R0A3 | 0790038R | RES.CHIP 1/16W 1.2K OHM |
| R041 | 0790024R | RES.CHIP 1/16W 100 OHM | R0A4 | 0790051R | RES.CHIP 1/16W 10K OHM |
| R042 | 0790027R | RES.CHIP 1/16W 180 OHM | R0A5 | 0790001R | CHIP RESISTOR RECJUMPER-1-16C16T1608 |
| R043 | 0790027R | RES.CHIP 1/16W 180 OHM | R0A7 | 0790037R | RES.CHIP 1/16W 1.0K OHM |
| R044 | 0790027R | RES.CHIP 1/16W 180 OHM | R0A8 | 0790001R | CHIP RESISTOR RECJUMPER-1-16C16T1608 |
| R045 | 0790051R | RES.CHIP 1/16W 10K OHM | R0A9 | 0790001R | CHIP RESISTOR RECJUMPER-1-16C16T1608 |
| R046 | AQ00164R | RES.CHIP 1/16W 75 OHM TAPE | R0C0 | 0790001R | CHIP RESISTOR RECJUMPER-1-16C16T1608 (DP14G) |
| R047 | AQ00164R | RES.CHIP 1/16W 75 OHM TAPE | R0C1 | 0790001R | CHIP RESISTOR RECJUMPER-1-16C16T1608 |
| R048 | AQ00164R | RES.CHIP 1/16W 75 OHM TAPE | R0C3 | 0790051R | RES.CHIP 1/16W 10K OHM |
| R049 | 0790037R | RES.CHIP 1/16W 1.0K OHM | R0C4 | 0790001R | CHIP RESISTOR RECJUMPER-1-16C16T1608 |
| R050 | 0790059R | RES.CHIP 1/16W 47K OHM | R0C7 | 0790024R | RES.CHIP 1/16W 100 OHM |
| R051 | 0790051R | RES.CHIP 1/16W 10K OHM | R0C8 | 0790037R | RES.CHIP 1/16W 1.0K OHM |
| R052 | 0790037R | RES.CHIP 1/16W 1.0K OHM | R0C9 | 0790064R | RES.CHIP 1/16W 100K OHM |
| R053 | 0790051R | RES.CHIP 1/16W 10K OHM | R0E1 | 0790047R | RES.CHIP 1/16W 5.6K OHM |
| R055 | 0790047R | RES.CHIP 1/16W 5.6K OHM | R0E2 | 0790069R | RES.CHIP 1/16W 270K OHM |
| R056 | 0790047R | RES.CHIP 1/16W 5.6K OHM | R0E4 | 0790037R | RES.CHIP 1/16W 1.0K OHM |
| R057 | 0790059R | RES.CHIP 1/16W 47K OHM | R0E5 | 0790051R | RES.CHIP 1/16W 10K OHM |
| R058 | 0790054R | RES.CHIP 1/16W 18K OHM | R0E6 | 0790051R | RES.CHIP 1/16W 10K OHM |
| R059 | 0790039R | RES.CHIP 1/16W 1.5K OHM | R100 | 0790051R | RES.CHIP 1/16W 10K OHM |
| R060 | 0790064R | RES.CHIP 1/16W 100K OHM | R101 | 0790059R | RES.CHIP 1/16W 47K OHM |
| R061 | 0790052R | RES.CHIP 1/16W 12K OHM | R102 | 0790047R | RES.CHIP 1/16W 5.6K OHM |
| R062 | 0790047R | RES.CHIP 1/16W 5.6K OHM | R103 | 0790024R | RES.CHIP 1/16W 100 OHM (DP14G) |
| R063 | 0790037R | RES.CHIP 1/16W 1.0K OHM | R103 | 0790028R | RES.CHIP 1/16W 220 OHM (DP17) |
| R064 | 0790037R | RES.CHIP 1/16W 1.0K OHM | R104 | 0790043R | RES.CHIP 1/16W 2.7K OHM |
| R065 | 0790037R | RES.CHIP 1/16W 1.0K OHM | R105 | 0790001R | CHIP RESISTOR RECJUMPER-1-16C16T1608 (DP14G) |
| R070 | 0790024R | RES.CHIP 1/16W 100 OHM | R105 | 0790024R | RES.CHIP 1/16W 100 OHM (DP17) |
| R071 | 0790024R | RES.CHIP 1/16W 100 OHM | R106 | 0790024R | RES.CHIP 1/16W 100 OHM (DP14G) |
| R072 | 0790037R | RES.CHIP 1/16W 1.0K OHM | R106 | 0790028R | RES.CHIP 1/16W 220 OHM (DP17) |
| R073 | 0790037R | RES.CHIP 1/16W 1.0K OHM | R107 | 0790043R | RES.CHIP 1/16W 2.7K OHM |
| R074 | 0790024R | RES.CHIP 1/16W 100 OHM | R108 | 0790001R | CHIP RESISTOR RECJUMPER-1-16C16T1608 (DP14G) |
| R075 | 0790024R | RES.CHIP 1/16W 100 OHM | R108 | 0790024R | RES.CHIP 1/16W 100 OHM (DP17) |
| R076 | 0790037R | RES.CHIP 1/16W 1.0K OHM | R109 | 0790024R | RES.CHIP 1/16W 100 OHM |
| R077 | 0790037R | RES.CHIP 1/16W 1.0K OHM | R110 | 0790024R | RES.CHIP 1/16W 100 OHM |
| R078 | 0790037R | RES.CHIP 1/16W 1.0K OHM | R111 | 0790001R | CHIP RESISTOR RECJUMPER-1-16C16T1608 |
| R079 | 0790037R | RES.CHIP 1/16W 1.0K OHM | R112 | 0790024R | RES.CHIP 1/16W 100 OHM |
| R080 | 0790037R | RES.CHIP 1/16W 1.0K OHM | R113 | 0790051R | RES.CHIP 1/16W 10K OHM |
| R081 | 0790024R | RES.CHIP 1/16W 100 OHM | R114 | 0790037R | RES.CHIP 1/16W 1.0K OHM |
| R082 | 0790024R | RES.CHIP 1/16W 100 OHM | R115 | 0790042R | RES.CHIP 1/16W 2.2K OHM |
| R083 | 0790024R | RES.CHIP 1/16W 100 OHM | R116 | 0790051R | RES.CHIP 1/16W 10K OHM |
| R084 | 0790024R | RES.CHIP 1/16W 100 OHM | R117 | 0790059R | RES.CHIP 1/16W 47K OHM |
| R085 | 0790024R | RES.CHIP 1/16W 100 OHM | R118 | 0790037R | RES.CHIP 1/16W 1.0K OHM |
| R086 | 0790044R | RES.CHIP 1/16W 3.3K OHM | R119 | 0790001R | CHIP RESISTOR RECJUMPER-1-16C16T1608 |
| R087 | 0790037R | RES.CHIP 1/16W 1.0K OHM | R120 | 0790024R | RES.CHIP 1/16W 100 OHM |
| R088 | 0790057R | RES.CHIP 1/16W 33K OHM | R121 | 0790024R | RES.CHIP 1/16W 100 OHM |
| R089 | 0790051R | RES.CHIP 1/16W 10K OHM | R122 | 0790024R | RES.CHIP 1/16W 100 OHM |
| R091 | 0790051R | RES.CHIP 1/16W 10K OHM | R123 | 0790024R | RES.CHIP 1/16W 100 OHM |

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| SYMBOL NO. | PART NO. | PART DESCRIPTION | SYMBOL NO. | PART NO. | PART DESCRIPTION |
|---|---|---|---|---|---|
| R124 | 0790024R | RES.CHIP 1/16W 100 OHM | R184 | 0790063R | RES.CHIP 1/16W 82K OHM |
| R125 | 0790024R | RES.CHIP 1/16W 100 OHM | R185 | 0790061R | RES.CHIP 1/16W 56K OHM |
| R126 | 0790024R | RES.CHIP 1/16W 100 OHM | R186 | 0790051R | RES.CHIP 1/16W 10K OHM |
| R127 | 0790024R | RES.CHIP 1/16W 100 OHM | R187 | 0790037R | RES.CHIP 1/16W 1.0K OHM |
| R128 | 0790024R | RES.CHIP 1/16W 100 OHM | R188 | 0790051R | RES.CHIP 1/16W 10K OHM |
| R129 | 0790024R | RES.CHIP 1/16W 100 OHM | R189 | 0790055R | RES.CHIP 1/16W 22K OHM |
| R130 | 0790024R | RES.CHIP 1/16W 100 OHM | R190 | 0790001R | CHIP RESISTOR RECJUMPER-1-16C16T1608 (DP14G) |
| R131 | 0790024R | RES.CHIP 1/16W 100 OHM | R191 | AT03875M | 2.2KOHM 1/2W RDS50 CARBON FILM RESISTOR (DP14G) |
| R132 | 0790024R | RES.CHIP 1/16W 100 OHM | R192 | 0790046R | RES.CHIP 1/16W 4.7K OHM |
| R133 | 0790024R | RES.CHIP 1/16W 100 OHM | R193 | 0790052R | RES.CHIP 1/16W 12K OHM |
| R134 | 0790037R | RES.CHIP 1/16W 1.0K OHM | R194 | 0790059R | RES.CHIP 1/16W 47K OHM |
| R135 | 0790024R | RES.CHIP 1/16W 100 OHM | R195 | 0790037R | RES.CHIP 1/16W 1.0K OHM |
| R136 | 0790048R | RES.CHIP 1/16W 6.8K OHM | R196 | 0790037R | RES.CHIP 1/16W 1.0K OHM |
| R137 | 0790001R | CHIP RESISTOR RECJUMPER-1-16C16T1608 | R197 | 0790061R | RES.CHIP 1/16W 56K OHM |
| R138 | 0790001R | CHIP RESISTOR RECJUMPER-1-16C16T1608 | R198 | 0790051R | RES.CHIP 1/16W 10K OHM |
| R139 | 0790057R | RES.CHIP 1/16W 33K OHM | R199 | 0790053R | RES.CHIP 1/16W 15K OHM |
| R141 | 0790037R | RES.CHIP 1/16W 1.0K OHM | R1A4 | 0790024R | RES.CHIP 1/16W 100 OHM |
| R142 | 0790037R | RES.CHIP 1/16W 1.0K OHM | R1A5 | 0790051R | RES.CHIP 1/16W 10K OHM |
| R143 | 0790037R | RES.CHIP 1/16W 1.0K OHM | R1A6 | 0790021R | RES.CHIP 1/16W 56 OHM |
| R144 | 0790051R | RES.CHIP 1/16W 10K OHM | R1A7 | 0790051R | RES.CHIP 1/16W 10K OHM |
| R145 | 0790051R | RES.CHIP 1/16W 10K OHM | R1A8 | 0790055R | RES.CHIP 1/16W 22K OHM |
| R146 | 0790039R | RES.CHIP 1/16W 1.5K OHM | R1A9 | 0790001R | CHIP RESISTOR RECJUMPER-1-16C16T1608 |
| R147 | 0790039R | RES.CHIP 1/16W 1.5K OHM | R1C0 | 0790001R | CHIP RESISTOR RECJUMPER-1-16C16T1608 |
| R148 | 0790039R | RES.CHIP 1/16W 1.5K OHM | R301 | 0790001R | CHIP RESISTOR RECJUMPER-1-16C16T1608 |
| R149 | 0790039R | RES.CHIP 1/16W 1.5K OHM | R302 | 0790028R | RES.CHIP 1/16W 220 OHM |
| R150 | 0790039R | RES.CHIP 1/16W 1.5K OHM | R303 | 0790068R | RES.CHIP 1/16W 220K OHM |
| R151 | 0790037R | RES.CHIP 1/16W 1.0K OHM | R304 | 0790059R | RES.CHIP 1/16W 47K OHM |
| R152 | 0790037R | RES.CHIP 1/16W 1.0K OHM | R305 | 0790037R | RES.CHIP 1/16W 1.0K OHM |
| R153 | 0790037R | RES.CHIP 1/16W 1.0K OHM | R306 | 0790042R | RES.CHIP 1/16W 2.2K OHM |
| R154 | 0790037R | RES.CHIP 1/16W 1.0K OHM | R307 | 0790033R | RES.CHIP 1/16W 470 OHM |
| R155 | 0790037R | RES.CHIP 1/16W 1.0K OHM | R308 | 0790046R | RES.CHIP 1/16W 4.7K OHM |
| R159 | 0790051R | RES.CHIP 1/16W 10K OHM | R309 | 0790001R | CHIP RESISTOR RECJUMPER-1-16C16T1608 |
| R160 | 0790037R | RES.CHIP 1/16W 1.0K OHM | R310 | 0790019R | RES.CHIP 1/16W 47 OHM |
| R161 | 0790037R | RES.CHIP 1/16W 1.0K OHM | R311 | 0790024R | RES.CHIP 1/16W 100 OHM |
| R162 | 0790037R | RES.CHIP 1/16W 1.0K OHM | R312 | 0790024R | RES.CHIP 1/16W 100 OHM |
| R163 | 0790037R | RES.CHIP 1/16W 1.0K OHM | R313 | 0790041R | RES.CHIP 1/16W 1.8K OHM |
| R164 | 0790037R | RES.CHIP 1/16W 1.0K OHM | R314 | 0790051R | RES.CHIP 1/16W 10K OHM |
| R165 | 0790024R | RES.CHIP 1/16W 100 OHM | R315 | 0790042R | RES.CHIP 1/16W 2.2K OHM |
| R166 | 0790024R | RES.CHIP 1/16W 100 OHM | R316 | 0790061R | RES.CHIP 1/16W 56K OHM |
| R167 | 0790037R | RES.CHIP 1/16W 1.0K OHM | R317 | 0790037R | RES.CHIP 1/16W 1.0K OHM |
| R168 | 0790047R | RES.CHIP 1/16W 5.6K OHM | R318 | 0790036R | RES.CHIP 1/16W 820 OHM |
| R169 | 0790024R | RES.CHIP 1/16W 100 OHM | R319 | 0790027R | RES.CHIP 1/16W 180 OHM |
| R170 | 0790024R | RES.CHIP 1/16W 100 OHM | R320 | 0790037R | RES.CHIP 1/16W 1.0K OHM |
| R171 | 0790051R | RES.CHIP 1/16W 10K OHM | R321 | 0790034R | RES.CHIP 1/16W 560 OHM |
| R172 | 0790051R | RES.CHIP 1/16W 10K OHM | R322 | 0790024R | RES.CHIP 1/16W 100 OHM |
| R173 | 0790024R | RES.CHIP 1/16W 100 OHM | R323 | 0790064R | RES.CHIP 1/16W 100K OHM |
| R174 | 0790024R | RES.CHIP 1/16W 100 OHM | R324 | 0790065R | RES.CHIP 1/16W 120K OHM |
| R175 | 0790051R | RES.CHIP 1/16W 10K OHM | R325 | 0790001R | CHIP RESISTOR RECJUMPER-1-16C16T1608 |
| R176 | 0790051R | RES.CHIP 1/16W 10K OHM | R326 | 0790064R | RES.CHIP 1/16W 100K OHM |
| R177 | 0790001R | CHIP RESISTOR RECJUMPER-1-16C16T1608 | R327 | 0790047R | RES.CHIP 1/16W 5.6K OHM |
| R178 | 0790055R | RES.CHIP 1/16W 22K OHM | R328 | 0790032R | RES.CHIP 1/16W 390 OHM |
| R179 | 0790024R | RES.CHIP 1/16W 100 OHM | R329 | 0790037R | RES.CHIP 1/16W 1.0K OHM |
| R180 | 0790064R | RES.CHIP 1/16W 100K OHM | R331 | 0790033R | RES.CHIP 1/16W 470 OHM |
| R181 | 0790055R | RES.CHIP 1/16W 22K OHM | R332 | 0790001R | CHIP RESISTOR RECJUMPER-1-16C16T1608 |
| R182 | 0790046R | RES.CHIP 1/16W 4.7K OHM | R333 | 0790019R | RES.CHIP 1/16W 47 OHM |
| R183 | 0790027R | RES.CHIP 1/16W 180 OHM | R334 | 0790019R | RES.CHIP 1/16W 47 OHM |

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| SYMBOL NO. | PART NO. | PART DESCRIPTION | SYMBOL NO. | PART NO. | PART DESCRIPTION |
|---|---|---|---|---|---|
| R335 | 0790011R | RES.CHIP 1/16W 10 OHM | R536 | 0790051R | RES.CHIP 1/16W 10K OHM |
| R336 | 0790042R | RES.CHIP 1/16W 2.2K OHM | R537 | 0790059R | RES.CHIP 1/16W 47K OHM |
| R337 | 0790037R | RES.CHIP 1/16W 1.0K OHM | R538 | 0790055R | RES.CHIP 1/16W 22K OHM |
| R338 | 0790037R | RES.CHIP 1/16W 1.0K OHM | R539 | 0790037R | RES.CHIP 1/16W 1.0K OHM |
| R339 | 0790058R | RES.CHIP 1/16W 39K OHM | R540 | 0790037R | RES.CHIP 1/16W 1.0K OHM |
| R340 | 0790051R | RES.CHIP 1/16W 10K OHM | R541 | 0790037R | RES.CHIP 1/16W 1.0K OHM |
| R341 | 0790024R | RES.CHIP 1/16W 100 OHM | R542 | 0790037R | RES.CHIP 1/16W 1.0K OHM |
| R342 | 0790034R | RES.CHIP 1/16W 560 OHM | R551 | 0790051R | RES.CHIP 1/16W 10K OHM |
| R343 | 0790037R | RES.CHIP 1/16W 1.0K OHM | R552 | 0790051R | RES.CHIP 1/16W 10K OHM |
| R344 | 0790044R | RES.CHIP 1/16W 3.3K OHM | R553 | 0790024R | RES.CHIP 1/16W 100 OHM |
| R346 | 0790024R | RES.CHIP 1/16W 100 OHM | R554 | 0790024R | RES.CHIP 1/16W 100 OHM |
| R347 | 0790037R | RES.CHIP 1/16W 1.0K OHM | R558 | 0790042R | RES.CHIP 1/16W 2.2K OHM |
| R348 | 0790001R | CHIP RESISTOR RECJUMPER-1-16C16T1608 | R559 | 0790042R | RES.CHIP 1/16W 2.2K OHM |
| R349 | 0790001R | CHIP RESISTOR RECJUMPER-1-16C16T1608 | R560 | 0790042R | RES.CHIP 1/16W 2.2K OHM |
| R350 | 0790011R | RES.CHIP 1/16W 10 OHM | R562 | 0790001R | CHIP RESISTOR RECJUMPER-1-16C16T1608 |
| R351 | 0790042R | RES.CHIP 1/16W 2.2K OHM | R563 | 0196104R | RES 1608 CHIP 1/16W 30KJ TAPE |
| R352 | AQ00194R | RES.CHIP 1/16W 1.0K OHM TAPE | R564 | 0196079R | RES.-1608CHIP 1/16W 3.0K-J TAPE |
| R353 | AQ00194R | RES.CHIP 1/16W 1.0K OHM TAPE | R565 | 0196056R | RES.-1608CHIP 1/16W 360-J TAPE |
| R354 | 0790051R | RES.CHIP 1/16W 10K OHM | R566 | 0790037R | RES.CHIP 1/16W 1.0K OHM |
| R355 | 0790058R | RES.CHIP 1/16W 39K OHM | R567 | 0790037R | RES.CHIP 1/16W 1.0K OHM |
| R356 | 0790024R | RES.CHIP 1/16W 100 OHM | R568 | 0790042R | RES.CHIP 1/16W 2.2K OHM |
| R357 | AQ00187R | RES.CHIP 1/16W 560 OHM TAPE | R569 | 0790045R | RES.CHIP 1/16W 3.9K OHM |
| R358 | 0790037R | RES.CHIP 1/16W 1.0K OHM | R570 | 0790024R | RES.CHIP 1/16W 100 OHM |
| R359 | AQ00205R | RES.CHIP 1/16W 2.7K OHM TAPE | R571 | 0790024R | RES.CHIP 1/16W 100 OHM |
| R361 | 0790024R | RES.CHIP 1/16W 100 OHM | R572 | AQ00185R | RES.CHIP 1/16W 470 OHM TAPE |
| R362 | 0790037R | RES.CHIP 1/16W 1.0K OHM | R573 | AQ00176R | RES.CHIP 1/16W 220 OHM TAPE |
| R363 | 0790001R | CHIP RESISTOR RECJUMPER-1-16C16T1608 | R574 | AQ00176R | RES.CHIP 1/16W 220 OHM TAPE |
| R364 | 0790001R | CHIP RESISTOR RECJUMPER-1-16C16T1608 | R575 | 0790024R | RES.CHIP 1/16W 100 OHM |
| R365 | 0790024R | RES.CHIP 1/16W 100 OHM | R576 | 0790049R | RES.CHIP 1/16W 8.2K OHM |
| R366 | 0790039R | RES.CHIP 1/16W 1.5K OHM | R577 | 0790054R | RES.CHIP 1/16W 18K OHM |
| R501 | 0790037R | RES.CHIP 1/16W 1.0K OHM | R578 | 0790024R | RES.CHIP 1/16W 100 OHM |
| R502 | 0790037R | RES.CHIP 1/16W 1.0K OHM | R579 | 0790037R | RES.CHIP 1/16W 1.0K OHM |
| R503 | 0790051R | RES.CHIP 1/16W 10K OHM | R580 | 0790024R | RES.CHIP 1/16W 100 OHM |
| R504 | 0790051R | RES.CHIP 1/16W 10K OHM | R581 | 0790053R | RES.CHIP 1/16W 15K OHM |
| R507 | 0790051R | RES.CHIP 1/16W 10K OHM | R582 | 0790052R | RES.CHIP 1/16W 12K OHM |
| R508 | 0790051R | RES.CHIP 1/16W 10K OHM | R583 | 0790034R | RES.CHIP 1/16W 560 OHM |
| R509 | 0790037R | RES.CHIP 1/16W 1.0K OHM | R584 | 0790032R | RES.CHIP 1/16W 390 OHM |
| R510 | 0790037R | RES.CHIP 1/16W 1.0K OHM | R585 | 0790033R | RES.CHIP 1/16W 470 OHM |
| R511 | 0790037R | RES.CHIP 1/16W 1.0K OHM | R586 | 0790024R | RES.CHIP 1/16W 100 OHM |
| R512 | 0790037R | RES.CHIP 1/16W 1.0K OHM | R588 | 0790059R | RES.CHIP 1/16W 47K OHM |
| R513 | 0790024R | RES.CHIP 1/16W 100 OHM | R589 | 0790058R | RES.CHIP 1/16W 39K OHM |
| R514 | 0790024R | RES.CHIP 1/16W 100 OHM | R590 | 0790059R | RES.CHIP 1/16W 47K OHM |
| R516 | 0790024R | RES.CHIP 1/16W 100 OHM | R591 | 0790046R | RES.CHIP 1/16W 4.7K OHM |
| R518 | 0790042R | RES.CHIP 1/16W 2.2K OHM | R592 | 0790024R | RES.CHIP 1/16W 100 OHM |
| R519 | 0790037R | RES.CHIP 1/16W 1.0K OHM | R593 | 0790059R | RES.CHIP 1/16W 47K OHM |
| R521 | 0790037R | RES.CHIP 1/16W 1.0K OHM | R594 | 0790058R | RES.CHIP 1/16W 39K OHM |
| R522 | 0790028R | RES.CHIP 1/16W 220 OHM | R595 | 0790059R | RES.CHIP 1/16W 47K OHM |
| R523 | 0790028R | RES.CHIP 1/16W 220 OHM | R596 | 0790046R | RES.CHIP 1/16W 4.7K OHM |
| R524 | 0790001R | CHIP RESISTOR RECJUMPER-1-16C16T1608 | R597 | 0790024R | RES.CHIP 1/16W 100 OHM |
| R525 | 0790037R | RES.CHIP 1/16W 1.0K OHM | R598 | 0790001R | CHIP RESISTOR RECJUMPER-1-16C16T1608 |
| R527 | 0790024R | RES.CHIP 1/16W 100 OHM | R5A1 | 0790001R | CHIP RESISTOR RECJUMPER-1-16C16T1608 |
| R529 | 0790042R | RES.CHIP 1/16W 2.2K OHM | R5A6 | 0790051R | RES.CHIP 1/16W 10K OHM |
| R532 | 0790028R | RES.CHIP 1/16W 220 OHM | R5A7 | 0790051R | RES.CHIP 1/16W 10K OHM |
| R533 | 0790028R | RES.CHIP 1/16W 220 OHM | R5C0 | 0790055R | RES.CHIP 1/16W 22K OHM |
| R534 | 0790001R | CHIP RESISTOR RECJUMPER-1-16C16T1608 | R5C1 | 0790001R | CHIP RESISTOR RECJUMPER-1-16C16T1608 |
| R535 | 0790024R | RES.CHIP 1/16W 100 OHM | R5C2 | 0790037R | RES.CHIP 1/16W 1.0K OHM |

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| SYMBOL NO. | PART NO. | PART DESCRIPTION | SYMBOL NO. | PART NO. | PART DESCRIPTION |
|---|---|---|---|---|---|
| R5C4 | 0790037R | RES.CHIP 1/16W 1.0K OHM | R721 | 0700042M | RES.-CARBON FLM 1/16W 1.2K-JB |
| R5C5 | 0790024R | RES.CHIP 1/16W 100 OHM | R722 | 0700032M | RES.-CARBON FLM 1/16W 220-JB |
| R5C6 | 0790024R | RES.CHIP 1/16W 100 OHM | R723 | AT03862M | 220OHM 1/2W RDS50 CARBON FILM RESISTOR |
| R5C7 | 0790024R | RES.CHIP 1/16W 100 OHM | R724 | 0700055M | RES.-CARBON FLM 1/16W 12K-JB |
| R5C8 | 0790042R | RES.CHIP 1/16W 2.2K OHM | R725 | 0100085M | RES.-CARBON FLM 1/8W 6.8K-JB |
| R5C9 | 0790044R | RES.CHIP 1/16W 3.3K OHM | R727 | AT03874M | 1.8KOHM 1/2W RDS50 CARBON FILM RESISTOR |
| R5E0 | 0790044R | RES.CHIP 1/16W 3.3K OHM | R728 | AT03882M | 6.8KOHM 1/2W RDS50 CARBON FILM RESISTOR |
| R5E1 | 0790059R | RES.CHIP 1/16W 47K OHM | R729 | AT03562S | METAL OX. 100OHM 3W |
| R5E2 | 0790059R | RES.CHIP 1/16W 47K OHM | R730 | AT03415S | METAL OX. 330OHM 2W (DP17) |
| R602 | 0700027M | RES.-CARBON FLM 1/16W 100-JB | R730 | AT03422S | METAL OX. 560OHM 2W |
| R604 | 0700065M | RES.-CARBON FLM 1/16W 68K-JB | R731 | AT01532S | METAL FILM RESISTOR(0.12OHM 1/2W ) |
| R605 | 0700054M | RES.-CARBON FLM 1/16W 10K-JB | R732 | AT03844M | 10.0OHM 1/2W RDS50 CARBON FILM RESISTOR |
| R606 | 0700047M | RES.-CARBON FLM 1/16W 3.3K-JB | R733 | 0700046M | RES.-CARBON FLM 1/16W 2.7K-JB |
| R607 | AW00129 | TRIMMER RESISTOR | R734 | 0700045M | RES.-CARBON FLM 1/16W 2.2K-JB |
| R608 | 0700067M | RES.-CARBON FLM 1/16W 100K-JB | R735 | 0700029M | RES.-CARBON FLM 1/16W 150-JB (DP17) |
| R609 | AT03911M | 1MOHM 1/2W RDS50 CARBON FILM RESISTOR | R735 | 0700034M | RES.-CARBON FLM 1/16W 330-JB (DP14G) |
| R610 | AT03911M | 1MOHM 1/2W RDS50 CARBON FILM RESISTOR | R736 | 0700034M | RES.-CARBON FLM 1/16W 330-JB (DP17) |
| R611 | AT03911M | 1MOHM 1/2W RDS50 CARBON FILM RESISTOR (DP17) | R736 | 0700037M | RES.-CARBON FLM 1/16W 560-JB (DP14G) |
| R612 | 0700063M | RES.-CARBON FLM 1/16W 47K-JB | R737 | AT03869M | 820OHM 1/2W RDS50 CARBON FILM RESISTOR |
| R613 | 0100053M | RES.-CARBON FLM 1/8W 330-JB | R738 | AT03562S | METAL OX. 100OHM 3W (DP17) |
| R614 | 0100053M | RES.-CARBON FLM 1/8W 330-JB | R738 | AT03588S | METAL OX. 1.0KOHM 3W (DP14G) |
| R615 | 0700032M | RES.-CARBON FLM 1/16W 220-JB | R739 | AT03251S | METAL OX. 220OHM 1W |
| R616 | 0700053M | RES.-CARBON FLM 1/16W 8.2K-JB | R740 | AT03251S | METAL OX. 220OHM 1W |
| R618 | 0700064M | RES.-CARBON FLM 1/16W 56K-JB | R742 | 0700052M | RES.-CARBON FLM 1/16W 6.8K-JB |
| R619 | AT03191S | METAL OX. 1.2OHM 1W | R747 | 0700054M | RES.-CARBON FLM 1/16W 10K-JB |
| R620 | AT03191S | METAL OX. 1.2OHM 1W | R748 | AT03415S | METAL OX. 330OHM 2W (DP17) |
| R621 | 0100045M | RES.-CARBON FLM 1/8W 150-JB | R748 | AT03422S | METAL OX. 560OHM 2W (DP14G) |
| R622 | 0188095M | RES.-CARBON FLM 1/2W 2.2-J | R802 | 0100041M | RES.-CARBON FLM 1/8W 100-JB |
| R625 | AT03242S | METAL OX. 100OHM 1W (DP14G) | R803 | 0100047M | RES.-CARBON FLM 1/8W 180-JB |
| R625 | AT03251S | METAL OX. 220OHM 1W (DP17) | R804 | 0100017M | RES.-CARBON FLM 1/8W 10-JB |
| R626 | AT03857M | 100OHM 1/2W RDS50 CARBON FILM RESISTOR | R805 | 0100037M | RES.-CARBON FLM 1/8W 68-JB |
| R627 | AT03857M | 100OHM 1/2W RDS50 CARBON FILM RESISTOR | R806 | 0119559M | RES.-MTL FLM 1/8W 10-FB |
| R628 | AT03857M | 100OHM 1/2W RDS50 CARBON FILM RESISTOR | R807 | AT03867M | 560OHM 1/2W RDS50 CARBON FILM RESISTOR |
| R629 | AT03184S | METAL OX. 0.68OHM 1W | R808 | 0100113M | RES.-CARBON FLM 1/8W 100K-JB |
| R630 | 0700054M | RES.-CARBON FLM 1/16W 10K-JB | R809 | 0100069M | RES.-CARBON FLM 1/8W 1.5K-JB |
| R631 | 0700059M | RES.-CARBON FLM 1/16W 27K-JB | R811 | 0144067 | RS99J3Y122JF |
| R632 | 0700041M | RES.-CARBON FLM 1/16W 1.0K-JB | R812 | 0144067 | RS99J3Y122JF |
| R633 | 0700045M | RES.-CARBON FLM 1/16W 2.2K-JB | R813 | 0100035M | RES.-CARBON FLM 1/8W 56-JB |
| R701 | 0100111M | RES.-CARBON FLM 1/8W 82K-JB | R814 | 0100035M | RES.-CARBON FLM 1/8W 56-JB |
| R702 | 0100113M | RES.-CARBON FLM 1/8W 100K-JB | R815 | AT03857M | 100OHM 1/2W RDS50 CARBON FILM RESISTOR |
| R703 | 0700054M | RES.-CARBON FLM 1/16W 10K-JB | R816 | AT03906M | 470KOHM 1/2W RDS50 CARBON FILM RESISTOR |
| R704 | AT03857M | 100OHM 1/2W RDS50 CARBON FILM RESISTOR | R817 | AT03902M | 220KOHM 1/2W RDS50 CARBON FILM RESISTOR |
| R706 | AT03877M | 3.3KOHM 1/2W RDS50 CARBON FILM RESISTOR | R818 | AT03902M | 220KOHM 1/2W RDS50 CARBON FILM RESISTOR |
| R707 | AT03877M | 3.3KOHM 1/2W RDS50 CARBON FILM RESISTOR | R830 | 0100049M | RES.-CARBON FLM 1/8W 220-JB |
| R708 | 0700067M | RES.-CARBON FLM 1/16W 100K-JB | R831 | 0100075M | RES.-CARBON FLM 1/8W 2.7K-JB |
| R709 | 0700064M | RES.-CARBON FLM 1/16W 56K-JB | R832 | 0100077M | RES.-CARBON FLM 1/8W 3.3K-JB |
| R710 | 0700045M | RES.-CARBON FLM 1/16W 2.2K-JB | R852 | 0100041M | RES.-CARBON FLM 1/8W 100-JB |
| R711 | AW00123 | TRIMMER RESISTOR | R853 | 0100047M | RES.-CARBON FLM 1/8W 180-JB |
| R712 | 0700055M | RES.-CARBON FLM 1/16W 12K-JB | R854 | 0100017M | RES.-CARBON FLM 1/8W 10-JB |
| R713 | 0700049M | RES.-CARBON FLM 1/16W 4.7K-JB | R855 | 0100033M | RES.-CARBON FLM 1/8W 47-JB |
| R714 | 0700037M | RES.-CARBON FLM 1/16W 560-JB | R856 | 0119559M | RES.-MTL FLM 1/8W 10-FB |
| R715 | 0700063M | RES.-CARBON FLM 1/16W 47K-JB | R857 | AT03867M | 560OHM 1/2W RDS50 CARBON FILM RESISTOR |
| R717 | 0700052M | RES.-CARBON FLM 1/16W 6.8K-JB | R858 | 0100113M | RES.-CARBON FLM 1/8W 100K-JB |
| R718 | 0700062M | RES.-CARBON FLM 1/16W 39K-JB | R859 | 0100069M | RES.-CARBON FLM 1/8W 1.5K-JB |
| R719 | 0700062M | RES.-CARBON FLM 1/16W 39K-JB | R861 | 0144067 | RS99J3Y122JF |
| R720 | 0700049M | RES.-CARBON FLM 1/16W 4.7K-JB | R862 | 0144067 | RS99J3Y122JF |

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| SYMBOL NO. | PART NO. | PART DESCRIPTION | SYMBOL NO. | PART NO. | PART DESCRIPTION |
|---|---|---|---|---|---|
| R863 | 0100035M | RES.-CARBON FLM 1/8W 56-JB | R925 | 0700058M | RES.-CARBON FLM 1/16W 22K-JB |
| R864 | 0100035M | RES.-CARBON FLM 1/8W 56-JB | ⚠ R930 | AT03676M | RES.MTL GRAZD FLM 1/2W 6.8M |
| R865 | AT03857M | 100OHM 1/2W RDS50 CARBON FILM RESISTOR | ⚠ R931 | 0147060 | RES.-WIRE WOUND 2W 33-K |
| R866 | AT03906M | 470KOHM 1/2W RDS50 CARBON FILM RESISTOR | R932 | AT03886M | 15KOHM 1/2W RDS50 CARBON FILM RESISTOR |
| R867 | 0100069M | RES.-CARBON FLM 1/8W 1.5K-JB | R933 | AT03886M | 15KOHM 1/2W RDS50 CARBON FILM RESISTOR (DP17) |
| R868 | AT03863M | 270OHM 1/2W RDS50 CARBON FILM RESISTOR | R937 | AT03875M | 2.2KOHM 1/2W RDS50 CARBON FILM RESISTOR (DP17) |
| R869 | AT03858M | 120OHM 1/2W RDS50 CARBON FILM RESISTOR | R938 | 0700052M | RES.-CARBON FLM 1/16W 6.8K-JB (DP17) |
| R870 | AT03858M | 120OHM 1/2W RDS50 CARBON FILM RESISTOR | R939 | 0700047M | RES.-CARBON FLM 1/16W 3.3K-JB (DP17) |
| R873 | 0100059M | RES.-CARBON FLM 1/8W 560-JB | R940 | 0700054M | RES.-CARBON FLM 1/16W 10K-JB (DP17) |
| R880 | 0100049M | RES.-CARBON FLM 1/8W 220-JB | R941 | 0700052M | RES.-CARBON FLM 1/16W 6.8K-JB (DP17) |
| R881 | 0100075M | RES.-CARBON FLM 1/8W 2.7K-JB | R942 | 0700049M | RES.-CARBON FLM 1/16W 4.7K-JB (DP17) |
| R882 | 0100077M | RES.-CARBON FLM 1/8W 3.3K-JB | R944 | 0700023M | RES.-CARBON FLM 1/16W 47-J |
| R8A2 | 0100041M | RES.-CARBON FLM 1/8W 100-JB | R947 | 0700031M | RES.-CARBON FLM 1/16W 180-JB |
| R8A3 | 0100047M | RES.-CARBON FLM 1/8W 180-JB | R948 | 0700049M | RES.-CARBON FLM 1/16W 4.7K-JB |
| R8A4 | 0100017M | RES.-CARBON FLM 1/8W 10-JB | R949 | 0700041M | RES.-CARBON FLM 1/16W 1.0K-JB |
| R8A5 | 0100037M | RES.-CARBON FLM 1/8W 68-JB | R951 | 0700041M | RES.-CARBON FLM 1/16W 1.0K-JB |
| R8A6 | 0119559M | RES.-MTL FLM 1/8W 10-FB | R952 | 0700063M | RES.-CARBON FLM 1/16W 47K-JB |
| R8A7 | AT03867M | 560OHM 1/2W RDS50 CARBON FILM RESISTOR | R954 | 0700032M | RES.-CARBON FLM 1/16W 220-JB |
| R8A8 | 0100113M | RES.-CARBON FLM 1/8W 100K-JB | R955 | 0700054M | RES.-CARBON FLM 1/16W 10K-JB |
| R8A9 | 0100069M | RES.-CARBON FLM 1/8W 1.5K-JB | R956 | 0700049M | RES.-CARBON FLM 1/16W 4.7K-JB |
| R8C1 | 0144067 | RS99J3Y122JF | R957 | 0700058M | RES.-CARBON FLM 1/16W 22K-JB |
| R8C2 | 0144067 | RS99J3Y122JF | R958 | 0700027M | RES.-CARBON FLM 1/16W 100-JB |
| R8C3 | 0100035M | RES.-CARBON FLM 1/8W 56-JB | R959 | 0700054M | RES.-CARBON FLM 1/16W 10K-JB |
| R8C4 | 0100035M | RES.-CARBON FLM 1/8W 56-JB | ⚠ R960 | 0700036M | RES.-CARBON FLM 1/16W 470-JB |
| R8C5 | AT03857M | 100OHM 1/2W RDS50 CARBON FILM RESISTOR | R961 | 0700041M | RES.-CARBON FLM 1/16W 1.0K-JB |
| R8C6 | AT03906M | 470KOHM 1/2W RDS50 CARBON FILM RESISTOR | R962 | 0700054M | RES.-CARBON FLM 1/16W 10K-JB |
| R8E3 | 0100089M | RES.-CARBON FLM 1/8W 10K-JB | R963 | 0700041M | RES.-CARBON FLM 1/16W 1.0K-JB (DP17) |
| R8E4 | 0100105M | RES.-CARBON FLM 1/8W 47K-JB | R964 | 0700041M | RES.-CARBON FLM 1/16W 1.0K-JB |
| R8E5 | 0100037M | RES.-CARBON FLM 1/8W 68-JB | R965 | 0700041M | RES.-CARBON FLM 1/16W 1.0K-JB |
| R8E6 | 0100067M | RES.-CARBON FLM 1/8W 1.2K-JB | R967 | 0700041M | RES.-CARBON FLM 1/16W 1.0K-JB |
| R8E7 | 0100087M | RES.-CARBON FLM 1/8W 8.2K-JB | R968 | AT03266S | METAL OX. 820OHM 1W |
| R8E8 | 0100083M | RES.-CARBON FLM 1/8W 5.6K-JB | R969 | 0700032M | RES.-CARBON FLM 1/16W 220-JB |
| R8F0 | 0100049M | RES.-CARBON FLM 1/8W 220-JB | R970 | 0700055M | RES.-CARBON FLM 1/16W 12K-JB |
| R8F1 | 0100075M | RES.-CARBON FLM 1/8W 2.7K-JB | R971 | AT03539S | METAL OX. 15.0OHM 3W (DP17) |
| R8F2 | 0100077M | RES.-CARBON FLM 1/8W 3.3K-JB | R971 | AT03553S | METAL OX. 47.0OHM 3W (DP14G) |
| R901 | AT03672M | RES.MTL GRAZD FLM 1/2W 3.3M | R972 | 0700041M | RES.-CARBON FLM 1/16W 1.0K-JB |
| R902 | 0147802 | RES.-WIRE WOUND 15W 0.62-KM | R973 | 0700041M | RES.-CARBON FLM 1/16W 1.0K-JB |
| R903 | AT03888M | 22KOHM 1/2W RDS50 CARBON FILM RESISTOR | RA01 | 0790024R | RES.CHIP 1/16W 100 OHM (DP14G) |
| R904 | AT03888M | 22KOHM 1/2W RDS50 CARBON FILM RESISTOR | RA02 | 0790024R | RES.CHIP 1/16W 100 OHM (DP14G) |
| R905 | AT03905M | 390KOHM 1/2W RDS50 CARBON FILM RESISTOR | RA03 | 0790051R | RES.CHIP 1/16W 10K OHM (DP14G) |
| R906 | 0100037M | RES.-CARBON FLM 1/8W 68-JB | RA04 | 0790051R | RES.CHIP 1/16W 10K OHM (DP14G) |
| R907 | AT03219S | METAL OX. 15.0OHM 1W | RA05 | 0790048R | RES.CHIP 1/16W 6.8K OHM (DP14G) |
| R908 | 0100073M | RES.-CARBON FLM 1/8W 2.2K-JB | RA32 | 0790058R | RES.CHIP 1/16W 39K OHM (DP14G) |
| R909 | 0700038M | RES.-CARBON FLM 1/16W 680-JB | RA33 | 0790024R | RES.CHIP 1/16W 100 OHM (DP14G) |
| R910 | AT01536S | METAL FILM RESISTOR(0.33OHM 1/2W ) (DP17) | RA34 | 0790052R | RES.CHIP 1/16W 12K OHM (DP14G) |
| R910 | AT03186S | METAL OX. 0.82OHM 1W (DP14G) | RA35 | 0790037R | RES.CHIP 1/16W 1.0K OHM (DP14G) |
| R911 | AT01534S | METAL FILM 0.22OHM 1/2W (DP17) | RA36 | 0790037R | RES.CHIP 1/16W 1.0K OHM (DP14G) |
| R911 | AT03186S | METAL OX. 0.82OHM 1W (DP14G) | RA37 | 0790031R | RES.CHIP 1/16W 330 OHM (DP14G) |
| R912 | AT03186S | METAL OX. 0.82OHM 1W (DP14G) | RA38 | 0790028R | RES.CHIP 1/16W 220 OHM (DP14G) |
| R913 | 0700036M | RES.-CARBON FLM 1/16W 470-JB | RA39 | 0790063R | RES.CHIP 1/16W 82K OHM (DP14G) |
| ⚠ R914 | AT03665M | RES.MTL GRAZD FLM 1/2W 1M | RA40 | 0790037R | RES.CHIP 1/16W 1.0K OHM (DP14G) |
| R917 | 0700056M | RES.-CARBON FLM 1/16W 15K-JB | RA41 | 0790064R | RES.CHIP 1/16W 100K OHM (DP14G) |
| R918 | 0700049M | RES.-CARBON FLM 1/16W 4.7K-JB | RA42 | 0790058R | RES.CHIP 1/16W 39K OHM (DP14G) |
| R920 | AT03897M | 100KOHM 1/2W RDS50 CARBON FILM RESISTOR | RA43 | 0790024R | RES.CHIP 1/16W 100 OHM (DP14G) |
| R922 | 0100033M | RES.-CARBON FLM 1/8W 47-JB | RA44 | 0790052R | RES.CHIP 1/16W 12K OHM (DP14G) |
| R923 | 0700054M | RES.-CARBON FLM 1/16W 10K-JB | RA45 | 0790037R | RES.CHIP 1/16W 1.0K OHM (DP14G) |

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|---|---|---|---|---|---|
| RA46 | 0790037R | RES.CHIP 1/16W 1.0K OHM (DP14G) | RC31 | 0187084M | RES.-CARBON FLM 1/16W 6.2K-JB |
| RA47 | 0790031R | RES.CHIP 1/16W 330 OHM (DP14G) | RC32 | 0790055R | RES.CHIP 1/16W 22K OHM |
| RA48 | 0790028R | RES.CHIP 1/16W 220 OHM (DP14G) | RC33 | 0790051R | RES.CHIP 1/16W 10K OHM |
| RA49 | 0790063R | RES.CHIP 1/16W 82K OHM (DP14G) | RC34 | 0196056R | RES.-1608CHIP 1/16W 360-J TAPE |
| RA50 | 0790037R | RES.CHIP 1/16W 1.0K OHM (DP14G) | RC35 | 0790037R | RES.CHIP 1/16W 1.0K OHM |
| RA51 | 0790064R | RES.CHIP 1/16W 100K OHM (DP14G) | RC36 | 0790037R | RES.CHIP 1/16W 1.0K OHM |
| RA52 | 0790037R | RES.CHIP 1/16W 1.0K OHM (DP14G) | RC37 | 0790037R | RES.CHIP 1/16W 1.0K OHM |
| RA53 | 0790037R | RES.CHIP 1/16W 1.0K OHM (DP14G) | RC38 | 0790039R | RES.CHIP 1/16W 1.5K OHM |
| RA63 | 0790059R | RES.CHIP 1/16W 47K OHM (DP14G) | RC39 | 0790037R | RES.CHIP 1/16W 1.0K OHM |
| RA67 | 0790001R | CHIP RESISTOR RECJUMPER-1-16C16T1608 (DP14G) | RC40 | 0790039R | RES.CHIP 1/16W 1.5K OHM |
| RA68 | 0790059R | RES.CHIP 1/16W 47K OHM (DP14G) | RC41 | 0790037R | RES.CHIP 1/16W 1.0K OHM |
| RA69 | 0790059R | RES.CHIP 1/16W 47K OHM (DP14G) | RC42 | 0790051R | RES.CHIP 1/16W 10K OHM |
| RA70 | 0790061R | RES.CHIP 1/16W 56K OHM (DP14G) | RC43 | 0790051R | RES.CHIP 1/16W 10K OHM |
| RA77 | 0790037R | RES.CHIP 1/16W 1.0K OHM (DP14G) | RC44 | 0790037R | RES.CHIP 1/16W 1.0K OHM |
| RA78 | 0790037R | RES.CHIP 1/16W 1.0K OHM (DP14G) | RC45 | 0790037R | RES.CHIP 1/16W 1.0K OHM |
| RA79 | 0790001R | CHIP RESISTOR RECJUMPER-1-16C16T1608 (DP14G) | RC46 | 0790024R | RES.CHIP 1/16W 100 OHM |
| RA80 | 0790059R | RES.CHIP 1/16W 47K OHM (DP14G) | RC47 | 0790049R | RES.CHIP 1/16W 8.2K OHM |
| RA81 | 0790001R | CHIP RESISTOR RECJUMPER-1-16C16T1608 (DP14G) | RC48 | 0790043R | RES.CHIP 1/16W 2.7K OHM |
| RA82 | 0790059R | RES.CHIP 1/16W 47K OHM (DP14G) | RC49 | 0790037R | RES.CHIP 1/16W 1.0K OHM |
| RA83 | 0790064R | RES.CHIP 1/16W 100K OHM (DP14G) | RC50 | 0790037R | RES.CHIP 1/16W 1.0K OHM |
| RA84 | 0790064R | RES.CHIP 1/16W 100K OHM (DP14G) | RC51 | 0790051R | RES.CHIP 1/16W 10K OHM |
| RAC3 | 0790001R | CHIP RESISTOR RECJUMPER-1-16C16T1608 (DP14G) | RC52 | 0790051R | RES.CHIP 1/16W 10K OHM |
| RAE7 | 0790001R | CHIP RESISTOR RECJUMPER-1-16C16T1608 (DP14G) | RC53 | 0790037R | RES.CHIP 1/16W 1.0K OHM |
| RAE8 | 0790028R | RES.CHIP 1/16W 220 OHM (DP14G) | RC54 | 0790037R | RES.CHIP 1/16W 1.0K OHM |
| RAE9 | 0790028R | RES.CHIP 1/16W 220 OHM (DP14G) | RC55 | 0790044R | RES.CHIP 1/16W 3.3K OHM |
| RAF9 | 0790001R | CHIP RESISTOR RECJUMPER-1-16C16T1608 (DP14G) | RC56 | 0790037R | RES.CHIP 1/16W 1.0K OHM |
| RAH1 | 0790001R | CHIP RESISTOR RECJUMPER-1-16C16T1608 (DP14G) | RC57 | 0790051R | RES.CHIP 1/16W 10K OHM |
| RC01 | 0790024R | RES.CHIP 1/16W 100 OHM | RC58 | 0790038R | RES.CHIP 1/16W 1.2K OHM |
| RC02 | 0790024R | RES.CHIP 1/16W 100 OHM | RC59 | 0790045R | RES.CHIP 1/16W 3.9K OHM |
| RC03 | 0790024R | RES.CHIP 1/16W 100 OHM | RC60 | 0790001R | CHIP RESISTOR RECJUMPER-1-16C16T1608 |
| RC04 | 0790028R | RES.CHIP 1/16W 220 OHM | RC61 | 0790037R | RES.CHIP 1/16W 1.0K OHM |
| RC05 | 0790034R | RES.CHIP 1/16W 560 OHM | RC62 | 0790056R | RES.CHIP 1/16W 27K OHM |
| RC06 | 0790034R | RES.CHIP 1/16W 560 OHM | RC63 | 0790024R | RES.CHIP 1/16W 100 OHM |
| RC07 | 0790021R | RES.CHIP 1/16W 56 OHM | RC64 | 0790024R | RES.CHIP 1/16W 100 OHM |
| RC08 | 0790021R | RES.CHIP 1/16W 56 OHM | RC65 | 0790024R | RES.CHIP 1/16W 100 OHM |
| RC09 | 0790021R | RES.CHIP 1/16W 56 OHM | RC66 | 0790037R | RES.CHIP 1/16W 1.0K OHM |
| RC10 | 0790024R | RES.CHIP 1/16W 100 OHM | RC67 | 0790043R | RES.CHIP 1/16W 2.7K OHM |
| RC11 | 0790024R | RES.CHIP 1/16W 100 OHM | RC68 | 0790043R | RES.CHIP 1/16W 2.7K OHM |
| RC12 | 0790024R | RES.CHIP 1/16W 100 OHM | RC69 | 0790043R | RES.CHIP 1/16W 2.7K OHM |
| RC13 | 0790039R | RES.CHIP 1/16W 1.5K OHM | RC70 | 0790024R | RES.CHIP 1/16W 100 OHM |
| RC14 | 0790039R | RES.CHIP 1/16W 1.5K OHM | RC71 | 0790024R | RES.CHIP 1/16W 100 OHM |
| RC15 | 0790039R | RES.CHIP 1/16W 1.5K OHM | RC72 | 0790024R | RES.CHIP 1/16W 100 OHM |
| RC16 | 0790042R | RES.CHIP 1/16W 2.2K OHM | RC73 | 0790043R | RES.CHIP 1/16W 2.7K OHM |
| RC17 | 0790042R | RES.CHIP 1/16W 2.2K OHM | RC74 | 0790043R | RES.CHIP 1/16W 2.7K OHM |
| RC18 | 0790042R | RES.CHIP 1/16W 2.2K OHM | RC75 | 0790043R | RES.CHIP 1/16W 2.7K OHM |
| RC19 | 0790042R | RES.CHIP 1/16W 2.2K OHM | RC76 | 0790029R | RES.CHIP 1/16W 270 OHM |
| RC20 | 0790042R | RES.CHIP 1/16W 2.2K OHM | RC77 | 0790029R | RES.CHIP 1/16W 270 OHM |
| RC21 | 0790042R | RES.CHIP 1/16W 2.2K OHM | RC78 | 0790029R | RES.CHIP 1/16W 270 OHM |
| RC22 | 0790042R | RES.CHIP 1/16W 2.2K OHM | RC79 | 0790037R | RES.CHIP 1/16W 1.0K OHM |
| RC23 | 0790042R | RES.CHIP 1/16W 2.2K OHM | RC80 | 0790037R | RES.CHIP 1/16W 1.0K OHM |
| RC24 | 0790042R | RES.CHIP 1/16W 2.2K OHM | RC81 | 0790037R | RES.CHIP 1/16W 1.0K OHM |
| RC26 | 0790024R | RES.CHIP 1/16W 100 OHM | RC82 | 0790024R | RES.CHIP 1/16W 100 OHM |
| RC27 | 0790024R | RES.CHIP 1/16W 100 OHM | RC83 | 0790024R | RES.CHIP 1/16W 100 OHM |
| RC28 | 0790024R | RES.CHIP 1/16W 100 OHM | RC84 | 0790037R | RES.CHIP 1/16W 1.0K OHM |
| RC29 | 0790024R | RES.CHIP 1/16W 100 OHM | RC85 | 0790043R | RES.CHIP 1/16W 2.7K OHM |
| RC30 | 0790024R | RES.CHIP 1/16W 100 OHM | RC90 | 0790024R | RES.CHIP 1/16W 100 OHM |

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| SYMBOL NO. | PART NO. | PART DESCRIPTION |
|---|---|---|
| RC93 | 0790037R | RES.CHIP 1/16W 1.0K OHM |
| RC94 | 0790017R | RES.CHIP 1/16W 33 OHM |
| RE01 | 0100065M | RES.-CARBON FLM 1/8W 1K-JB |
| RE02 | 0700055M | RES.-CARBON FLM 1/16W 12K-JB |
| RE03 | 0700066M | RES.-CARBON FLM 1/16W 82K-JB |
| RE04 | 0700024M | RES.-CARBON FLM 1/16W 56-J |
| RE05 | AT03866M | 470OHM 1/2W RDS50 CARBON FILM RESISTOR |
| RE06 | 0700018M | RES.-CARBON FLM 1/16W 22-J |
| RE07 | 0700054M | RES.-CARBON FLM 1/16W 10K-JB |
| RE08 | 0700054M | RES.-CARBON FLM 1/16W 10K-JB |
| RE09 | 0700055M | RES.-CARBON FLM 1/16W 12K-JB |
| RE10 | 0700055M | RES.-CARBON FLM 1/16W 12K-JB |
| RE11 | 0700027M | RES.-CARBON FLM 1/16W 100-JB |
| RE12 | 0700024M | RES.-CARBON FLM 1/16W 56-J |
| RE13 | 0700041M | RES.-CARBON FLM 1/16W 1.0K-JB |
| RE16 | 0700027M | RES.-CARBON FLM 1/16W 100-JB |
| RE17 | AT03876M | 2.7OHM 1/2W RDS50 CARBON FILM RESISTOR |
| RE18 | 0700065M | RES.-CARBON FLM 1/16W 68K-JB |
| RE19 | 0700052M | RES.-CARBON FLM 1/16W 6.8K-JB |
| RE20 | 0700024M | RES.-CARBON FLM 1/16W 56-J |
| RE21 | AT03857M | 100OHM 1/2W RDS50 CARBON FILM RESISTOR |
| RE23 | AT03869M | 820OHM 1/2W RDS50 CARBON FILM RESISTOR |
| RE24 | 0700027M | RES.-CARBON FLM 1/16W 100-JB |
| RE27 | 0113750M | RES.-CARBON FLM 1/2W 1K-JB |
| RE28 | 0700017M | RES.-CARBON FLM 1/16W 18-J |
| RE29 | 0113750M | RES.-CARBON FLM 1/2W 1K-JB |
| RE31 | 0700014M | RES.-CARBON FLM 1/16W 10-J |
| RE32 | 0700014M | RES.-CARBON FLM 1/16W 10-J |
| RE33 | AT03848M | 22.0OHM 1/2W RDS50 CARBON FILM RESISTOR |
| RE50 | AT03419S | METAL OX. 470 OHM 2W |
| RE51 | 0700041M | RES.-CARBON FLM 1/16W 1.0K-JB |
| RE52 | 0100021M | RES.-CARBON FLM 1/8W 15-JB |
| RE55 | 0700067M | RES.-CARBON FLM 1/16W 100K-JB |
| RE56 | 0100065M | RES.-CARBON FLM 1/8W 1K-JB |
| RE57 | 0113791M | RES.-CARBON FLM 1/2W 47K-JB |
| RE60 | AT03897M | 100KOHM 1/2W RDS50 CARBON FILM RESISTOR |
| RE61 | 0100065M | RES.-CARBON FLM 1/8W 1K-JB |
| RE62 | 0100033M | RES.-CARBON FLM 1/8W 47-JB |
| RE66 | 0100033M | RES.-CARBON FLM 1/8W 47-JB |
| RE67 | AT03853M | 47.0OHM 1/2W RDS50 CARBON FILM RESISTOR |
| RE68 | AT03853M | 47.0OHM 1/2W RDS50 CARBON FILM RESISTOR |
| RE69 | 0113698M | RES.-CARBON FLM 1/2W 8.2-J |
| RE70 | 0113698M | RES.-CARBON FLM 1/2W 8.2-J |
| RE71 | 0100041M | RES.-CARBON FLM 1/8W 100-JB |
| RE72 | 0100041M | RES.-CARBON FLM 1/8W 100-JB |
| RE73 | 0100095M | RES.-CARBON FLM 1/8W 18K-JB |
| RE74 | AT03894M | 56KOHM 1/2W RDS50 CARBON FILM RESISTOR |
| RE75 | AT03894M | 56KOHM 1/2W RDS50 CARBON FILM RESISTOR |
| RE76 | 0100095M | RES.-CARBON FLM 1/8W 18K-JB |
| RE77 | AT03571S | METAL OX. 220OHM 3W |
| RE78 | AT03571S | METAL OX. 220OHM 3W |
| REE5 | AT03897M | 100KOHM 1/2W RDS50 CARBON FILM RESISTOR |
| REE6 | 0700065M | RES.-CARBON FLM 1/16W 68K-JB |
| REE7 | 0700064M | RES.-CARBON FLM 1/16W 56K-JB |
| REF0 | 0100113M | RES.-CARBON FLM 1/8W 100K-JB |
| REF1 | 0700055M | RES.-CARBON FLM 1/16W 12K-JB |
| REF4 | 0700047M | RES.-CARBON FLM 1/16W 3.3K-JB |
| RF07 | 0700067M | RES.-CARBON FLM 1/16W 100K-JB |
| RF08 | 0700054M | RES.-CARBON FLM 1/16W 10K-JB |
| RF09 | 0700054M | RES.-CARBON FLM 1/16W 10K-JB |
| RF10 | AT03857M | 100OHM 1/2W RDS50 CARBON FILM RESISTOR |
| RF11 | 0700041M | RES.-CARBON FLM 1/16W 1.0K-JB |
| RF13 | 0700056M | RES.-CARBON FLM 1/16W 15K-JB |
| RF14 | 0700025M | RES.-CARBON FLM 1/16W 68-J |
| RF15 | AT03654M | RES.MTL GRAZD FLM 1/2W 180K |
| RF16 | AT03654M | RES.MTL GRAZD FLM 1/2W 180K |
| RF17 | AT03654M | RES.MTL GRAZD FLM 1/2W 180K |
| RF18 | AT03662M | RES.MTL GRAZD FLM 1/2W 560K |
| RF19 | AT03662M | RES.MTL GRAZD FLM 1/2W 560K |
| RF20 | 0700025M | RES.-CARBON FLM 1/16W 68-J |
| RF21 | 0700048M | RES.-CARBON FLM 1/16W 3.9K-JB (DP17) |
| RF21 | 0700049M | RES.-CARBON FLM 1/16W 4.7K-JB (DP14G) |
| RF22 | 0187096M | RES.-CARBON FLM 1/16W 20K-JB |
| RF23 | 0700063M | RES.-CARBON FLM 1/16W 47K-JB |
| RF25 | AT03662M | RES.MTL GRAZD FLM 1/2W 560K |
| RF26 | AT03662M | RES.MTL GRAZD FLM 1/2W 560K |
| RF27 | AT03661M | RES.MTL GRAZD FLM 1/2W 470K |
| RF28 | 0700059M | RES.-CARBON FLM 1/16W 27K-JB |
| RF29 | 0700049M | RES.-CARBON FLM 1/16W 4.7K-JB |
| RF30 | AT03888M | 22KOHM 1/2W RDS50 CARBON FILM RESISTOR (DP17) |
| RF30 | AT03892M | 39KOHM 1/2W RDS50 CARBON FILM RESISTOR (DP14G) |
| RF33 | AT03888M | 22KOHM 1/2W RDS50 CARBON FILM RESISTOR (DP17) |
| RF33 | AT03892M | 39KOHM 1/2W RDS50 CARBON FILM RESISTOR (DP14G) |
| RF34 | 0700045M | RES.-CARBON FLM 1/16W 2.2K-JB |
| RF35 | AT03911M | 1MOHM 1/2W RDS50 CARBON FILM RESISTOR |
| RF36 | AT03857M | 100OHM 1/2W RDS50 CARBON FILM RESISTOR |
| RF37 | AT03911M | 1MOHM 1/2W RDS50 CARBON FILM RESISTOR |
| RG04 | 0790001R | CHIP RESISTOR RECJUMPER-1-16C16T1608 |
| RG06 | 0790024R | RES.CHIP 1/16W 100 OHM |
| RG07 | 0790052R | RES.CHIP 1/16W 12K OHM |
| RG08 | 0790057R | RES.CHIP 1/16W 33K OHM |
| RG09 | 0790022R | RES.CHIP 1/16W 68 OHM |
| RG13 | 0790024R | RES.CHIP 1/16W 100 OHM |
| RG21 | 0790001R | CHIP RESISTOR RECJUMPER-1-16C16T1608 |
| RG23 | 0790024R | RES.CHIP 1/16W 100 OHM |
| RG24 | 0790052R | RES.CHIP 1/16W 12K OHM |
| RG25 | 0790057R | RES.CHIP 1/16W 33K OHM |
| RG26 | 0790022R | RES.CHIP 1/16W 68 OHM |
| RG30 | 0790024R | RES.CHIP 1/16W 100 OHM |
| RG39 | 0790001R | CHIP RESISTOR RECJUMPER-1-16C16T1608 |
| RG41 | 0790024R | RES.CHIP 1/16W 100 OHM |
| RG42 | 0790052R | RES.CHIP 1/16W 12K OHM |
| RG43 | 0790057R | RES.CHIP 1/16W 33K OHM |
| RG44 | 0790022R | RES.CHIP 1/16W 68 OHM |
| RG48 | 0790024R | RES.CHIP 1/16W 100 OHM |
| RG49 | 0790037R | RES.CHIP 1/16W 1.0K OHM |
| RG50 | 0790037R | RES.CHIP 1/16W 1.0K OHM |
| RG51 | 0790037R | RES.CHIP 1/16W 1.0K OHM |
| RG52 | 0790037R | RES.CHIP 1/16W 1.0K OHM |
| RG53 | 0790037R | RES.CHIP 1/16W 1.0K OHM |
| RG54 | 0790037R | RES.CHIP 1/16W 1.0K OHM |
| RG58 | 0790051R | RES.CHIP 1/16W 10K OHM |

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| SYMBOL NO. | PART NO. | PART DESCRIPTION |
|---|---|---|
| RG59 | 0790024R | RES.CHIP 1/16W 100 OHM |
| RG60 | 0790024R | RES.CHIP 1/16W 100 OHM |
| RG61 | 0790074R | RES.CHIP 1/16W 560K OHM |
| RG62 | 0790023R | RES.CHIP 1/16W 82 OHM |
| RG63 | 0790037R | RES.CHIP 1/16W 1.0K OHM |
| RH01 | 0700043M | RES.-CARBON FLM 1/16W 1.5K-JB |
| RH02 | 0700055M | RES.-CARBON FLM 1/16W 12K-JB |
| RH03 | 0700061M | RES.-CARBON FLM 1/16W 33K-JB (DP17) |
| RH03 | 0700065M | RES.-CARBON FLM 1/16W 68K-JB (DP14G) |
| RH04 | 0700062M | RES.-CARBON FLM 1/16W 39K-JB |
| RH05 | 0700059M | RES.-CARBON FLM 1/16W 27K-JB |
| RH07 | 0700047M | RES.-CARBON FLM 1/16W 3.3K-JB |
| RH08 | 0700045M | RES.-CARBON FLM 1/16W 2.2K-JB |
| RH09 | 0700055M | RES.-CARBON FLM 1/16W 12K-JB |
| RH10 | AT03869M | 820OHM 1/2W RDS50 CARBON FILM RESISTOR |
| RH13 | 0100033M | RES.-CARBON FLM 1/8W 47-JB |
| RH14 | 0700047M | RES.-CARBON FLM 1/16W 3.3K-JB |
| ⚠ RH15 | 0148052 | RES.-WIRE WOUND 0.68-K 3W |
| RH16 | 0100047M | RES.-CARBON FLM 1/8W 180-JB |
| RH17 | AW00208 | TRIMMER RESISTOR 100KOHM 1/2W |
| RH18 | 0700062M | RES.-CARBON FLM 1/16W 39K-JB |
| ⚠ RH19 | 0119653M | RES.-MTL FLM 1/8W 82K-FB |
| ⚠ RH20 | 0119645M | RES.-MTL FLM 1/8W 39K-FB (DP17) |
| RH20 | 0119647M | RES.-MTL FLM 1/8W 47K-FB (DP14G) |
| RH21 | AT03867M | 560OHM 1/2W RDS50 CARBON FILM RESISTOR |
| RH22 | 0700041M | RES.-CARBON FLM 1/16W 1.0K-JB |
| ⚠ RH23 | AT03882M | 6.8KOHM 1/2W RDS50 CARBON FILM RESISTOR |
| RH24 | 0119647M | RES.-MTL FLM 1/8W 47K-FB (DP17) |
| RH24 | 0119648M | RES.-MTL FLM 1/8W 51K-FB (DP14G) |
| ⚠ RH25 | 0119635M | RES.-MTL FLM 1/8W 15K-FB |
| RH26 | 0700041M | RES.-CARBON FLM 1/16W 1.0K-JB |
| RH27 | AT03889M | 27KOHM 1/2W RDS50 CARBON FILM RESISTOR |
| RH27 | AT03892M | 39KOHM 1/2W RDS50 CARBON FILM RESISTOR (DP17) |
| RH28 | AT03893M | 47KOHM 1/2W RDS50 CARBON FILM RESISTOR (DP17) |
| RH28 | AT03894M | 56KOHM 1/2W RDS50 CARBON FILM RESISTOR (DP14G) |
| RH31 | AT03882M | 6.8KOHM 1/2W RDS50 CARBON FILM RESISTOR |
| RH32 | 0100121M | RES.-CARBON FLM 1/8W 220K-JB |
| RJ01 | 0790042R | RES.CHIP 1/16W 2.2K OHM |
| RJ02 | 0790042R | RES.CHIP 1/16W 2.2K OHM |
| RJ03 | 0790037R | RES.CHIP 1/16W 1.0K OHM |
| RJ04 | 0790037R | RES.CHIP 1/16W 1.0K OHM |
| RJ05 | 0790042R | RES.CHIP 1/16W 2.2K OHM |
| RJ06 | 0790042R | RES.CHIP 1/16W 2.2K OHM |
| RJ07 | 0790059R | RES.CHIP 1/16W 47K OHM |
| RJ08 | 0790064R | RES.CHIP 1/16W 100K OHM |
| RJ09 | 0790059R | RES.CHIP 1/16W 47K OHM |
| RJ10 | 0790033R | RES.CHIP 1/16W 470 OHM |
| RJ11 | 0790055R | RES.CHIP 1/16W 22K OHM |
| RJ12 | 0790037R | RES.CHIP 1/16W 1.0K OHM |
| RJ13 | 0790062R | RES.CHIP 1/16W 68K OHM |
| RJ14 | 0790062R | RES.CHIP 1/16W 68K OHM |
| RJ15 | AT03197S | METAL OX. 2.2OHM 1W |
| RJ16 | AT03197S | METAL OX. 2.2OHM 1W |
| RJ17 | AT03871M | 1KOHM 1/2W RDS50 CARBON FILM RESISTOR |
| RJ18 | AT03871M | 1KOHM 1/2W RDS50 CARBON FILM RESISTOR |
| RJ19 | 0790001R | CHIP RESISTOR RECJUMPER-1-16C16T1608 |
| RJ20 | 0790001R | CHIP RESISTOR RECJUMPER-1-16C16T1608 |
| RJ21 | 0790001R | CHIP RESISTOR RECJUMPER-1-16C16T1608 (DP17) |
| RJ22 | 0790001R | CHIP RESISTOR RECJUMPER-1-16C16T1608 (DP17) |
| RJ27 | 0790042R | RES.CHIP 1/16W 2.2K OHM (DP17) |
| RJ28 | 0790042R | RES.CHIP 1/16W 2.2K OHM (DP17) |
| RJ29 | 0790042R | RES.CHIP 1/16W 2.2K OHM (DP17) |
| RJ30 | 0790042R | RES.CHIP 1/16W 2.2K OHM (DP17) |
| RJ31 | 0790037R | RES.CHIP 1/16W 1.0K OHM (DP17) |
| RJ32 | 0790037R | RES.CHIP 1/16W 1.0K OHM (DP17) |
| RJ33 | 0790059R | RES.CHIP 1/16W 47K OHM (DP17) |
| RJ34 | 0790064R | RES.CHIP 1/16W 100K OHM (DP17) |
| RJ35 | 0790059R | RES.CHIP 1/16W 47K OHM (DP17) |
| RJ36 | 0790001R | CHIP RESISTOR RECJUMPER-1-16C16T1608 (DP17) |
| RJ37 | 0790001R | CHIP RESISTOR RECJUMPER-1-16C16T1608 (DP17) |
| RJ38 | 0790033R | RES.CHIP 1/16W 470 OHM (DP17) |
| RJ39 | 0790055R | RES.CHIP 1/16W 22K OHM (DP17) |
| RJ40 | 0790037R | RES.CHIP 1/16W 1.0K OHM (DP17) |
| RJ41 | 0790062R | RES.CHIP 1/16W 68K OHM (DP17) |
| RJ42 | 0790062R | RES.CHIP 1/16W 68K OHM (DP17) |
| RJ43 | AT03197S | METAL OX. 2.2OHM 1W (DP17) |
| RJ44 | AT03871M | 1KOHM 1/2W RDS50 CARBON FILM RESISTOR (DP17) |
| RJ45 | AT03197S | METAL OX. 2.2OHM 1W (DP17) |
| RJ46 | AT03871M | 1KOHM 1/2W RDS50 CARBON FILM RESISTOR (DP17) |
| RJ48 | 0790077R | RES.CHIP 1/16W 1.0M OHM (DP17) |
| RJ49 | 0790077R | RES.CHIP 1/16W 1.0M OHM (DP17) |
| RJ50 | 0196125R | RES.-1608CHIP 1/16W 200K-J TAPE (DP17) |
| RJ51 | 0790053R | RES.CHIP 1/16W 15K OHM (DP17) |
| RJ52 | 0790046R | RES.CHIP 1/16W 4.7K OHM (DP17) |
| RJ53 | 0790001R | CHIP RESISTOR RECJUMPER-1-16C16T1608 (DP14G) |
| RJ54 | 0790001R | CHIP RESISTOR RECJUMPER-1-16C16T1608 (DP14G) |
| RK01 | 0700046M | RES.-CARBON FLM 1/16W 2.7K-JB |
| RK02 | 0700046M | RES.-CARBON FLM 1/16W 2.7K-JB |
| RK03 | 0700046M | RES.-CARBON FLM 1/16W 2.7K-JB |
| RK04 | 0700046M | RES.-CARBON FLM 1/16W 2.7K-JB |
| RK05 | 0700046M | RES.-CARBON FLM 1/16W 2.7K-JB |
| RK06 | 0700046M | RES.-CARBON FLM 1/16W 2.7K-JB |
| RK07 | 0700046M | RES.-CARBON FLM 1/16W 2.7K-JB |
| RK08 | 0700046M | RES.-CARBON FLM 1/16W 2.7K-JB |
| RK09 | 0100057M | RES.-CARBON FLM 1/8W 470-JB |
| RK10 | 0700042M | RES.-CARBON FLM 1/16W 1.2K-JB |
| RK11 | 0700041M | RES.-CARBON FLM 1/16W 1.0K-JB |
| RK12 | 0700041M | RES.-CARBON FLM 1/16W 1.0K-JB |
| RK13 | 0700041M | RES.-CARBON FLM 1/16W 1.0K-JB |
| RK17 | 0700046M | RES.-CARBON FLM 1/16W 2.7K-JB |
| RK18 | 0700048M | RES.-CARBON FLM 1/16W 3.9K-JB |
| RK22 | 0700041M | RES.-CARBON FLM 1/16W 1.0K-JB |
| RK23 | 0700052M | RES.-CARBON FLM 1/16W 6.8K-JB |
| RK24 | 0700043M | RES.-CARBON FLM 1/16W 1.5K-JB |
| RK25 | 0700063M | RES.-CARBON FLM 1/16W 47K-JB |
| RK26 | 0700063M | RES.-CARBON FLM 1/16W 47K-JB |
| RK27 | 0700054M | RES.-CARBON FLM 1/16W 10K-JB |
| RK28 | 0700027M | RES.-CARBON FLM 1/16W 100-JB |
| RK29 | 0700027M | RES.-CARBON FLM 1/16W 100-JB |
| RK30 | 0700027M | RES.-CARBON FLM 1/16W 100-JB |
| RK31 | 0700041M | RES.-CARBON FLM 1/16W 1.0K-JB |
| RK32 | 0700041M | RES.-CARBON FLM 1/16W 1.0K-JB |

PRODUCT SERVICE NOTE: Components marked with a ⚠ have special characteristics important to sefety. Before replacing any of these components, read carefully, the PRODUCT SAFETY NOTICE of this Service Manual. Don t degrade the safety of the receiver through improper servicing.

| SYMBOL NO. | PART NO. | PART DESCRIPTION |
|---|---|---|
| RK33 | 0700041M | RES.-CARBON FLM 1/16W 1.0K-JB |
| RK34 | 0700063M | RES.-CARBON FLM 1/16W 47K-JB |
| RK35 | 0700063M | RES.-CARBON FLM 1/16W 47K-JB |
| RK36 | 0700063M | RES.-CARBON FLM 1/16W 47K-JB |
| RK37 | 0700063M | RES.-CARBON FLM 1/16W 47K-JB |
| RK38 | 0700063M | RES.-CARBON FLM 1/16W 47K-JB |
| RK39 | 0700063M | RES.-CARBON FLM 1/16W 47K-JB |
| RK40 | 0700047M | RES.-CARBON FLM 1/16W 3.3K-JB |
| RK42 | AT03197S | METAL OX. 2.2OHM 1W (DP17) |
| RK42 | AT03202S | METAL OX. 3.3OHM 1W (DP14G) |
| RK43 | AT03411S | METAL OX. 220OHM 2W |
| RK44 | 0700047M | RES.-CARBON FLM 1/16W 3.3K-JB |
| RK46 | AT03193S | METAL OX. 1.5OHM 1W (DP17) |
| RK46 | AT03195S | METAL OX. 1.8OHM 1W (DP14G) |
| RK47 | AT03406S | METAL OX. 150OHM 2W |
| RK48 | 0700047M | RES.-CARBON FLM 1/16W 3.3K-JB |
| RK50 | AT03197S | METAL OX. 2.2OHM 1W (DP17) |
| RK50 | AT03199S | METAL OX. 2.7OHM 1W (DP14G) |
| RK51 | AT03411S | METAL OX. 220OHM 2W |
| RK52 | 0700047M | RES.-CARBON FLM 1/16W 3.3K-JB |
| RK54 | AT03193S | METAL OX. 1.5OHM 1W |
| RK55 | AT03406S | METAL OX. 150OHM 2W |
| RK56 | 0700047M | RES.-CARBON FLM 1/16W 3.3K-JB |
| RK58 | AT03199S | METAL OX. 2.7OHM 1W (DP17) |
| RK58 | AT03204S | METAL OX. 3.9OHM 1W (DP14G) |
| RK59 | AT03411S | METAL OX. 220OHM 2W |
| RK60 | 0700047M | RES.-CARBON FLM 1/16W 3.3K-JB |
| RK62 | AT03195S | METAL OX. 1.8OHM 1W (DP17) |
| RK62 | AT03197S | METAL OX. 2.2OHM 1W (DP14G) |
| RK63 | AT03406S | METAL OX. 150OHM 2W |
| RK64 | 0700054M | RES.-CARBON FLM 1/16W 10K-JB |
| RK65 | 0700054M | RES.-CARBON FLM 1/16W 10K-JB |
| RK90 | 0700054M | RES.-CARBON FLM 1/16W 10K-JB |
| RK97 | AT03193S | METAL OX. 1.5OHM 1W |
| RK99 | 0188097M | RES.-CARBON FLM 1/2W 3.3-J |
| RL10 | 0100129M | RES.-CARBON FLM 1/8W 470K-JB |
| RL11 | 0100129M | RES.-CARBON FLM 1/8W 470K-JB |
| RL12 | 0100129M | RES.-CARBON FLM 1/8W 470K-JB (DP17) |
| RL13 | 0100129M | RES.-CARBON FLM 1/8W 470K-JB (DP17) |
| RL14 | 0100129M | RES.-CARBON FLM 1/8W 470K-JB (DP17) |
| RL15 | 0100129M | RES.-CARBON FLM 1/8W 470K-JB (DP17) |
| RL16 | 0100129M | RES.-CARBON FLM 1/8W 470K-JB |
| RL17 | 0100129M | RES.-CARBON FLM 1/8W 470K-JB |
| RL20 | 0100133M | RES.-CARBON FLM 1/8W 680K-JB (DP17) |
| RL20 | 0700063M | RES.-CARBON FLM 1/16W 47K-JB (DP14G) |
| RL21 | 0100119M | RES.-CARBON FLM 1/8W 180K-JB (DP14G) |
| RL21 | 0100121M | RES.-CARBON FLM 1/8W 220K-JB (DP17) |
| RL22 | 0100133M | RES.-CARBON FLM 1/8W 680K-JB (DP17) |
| RL23 | 0100129M | RES.-CARBON FLM 1/8W 470K-JB (DP17) |
| RL24 | 0100133M | RES.-CARBON FLM 1/8W 680K-JB (DP17) |
| RL25 | 0100121M | RES.-CARBON FLM 1/8W 220K-JB (DP17) |
| RL26 | 0100133M | RES.-CARBON FLM 1/8W 680K-JB (DP17) |
| RL26 | 0700063M | RES.-CARBON FLM 1/16W 47K-JB (DP14G) |
| RL27 | 0100119M | RES.-CARBON FLM 1/8W 180K-JB (DP14G) |
| RL27 | 0100129M | RES.-CARBON FLM 1/8W 470K-JB (DP17) |
| RL30 | 0700027M | RES.-CARBON FLM 1/16W 100-JB |
| RL31 | 0700027M | RES.-CARBON FLM 1/16W 100-JB |
| RL32 | 0700027M | RES.-CARBON FLM 1/16W 100-JB (DP17) |
| RL33 | 0700027M | RES.-CARBON FLM 1/16W 100-JB (DP17) |
| RL34 | 0700027M | RES.-CARBON FLM 1/16W 100-JB (DP17) |
| RL35 | 0700027M | RES.-CARBON FLM 1/16W 100-JB (DP17) |
| RL36 | 0700027M | RES.-CARBON FLM 1/16W 100-JB |
| RL37 | 0700027M | RES.-CARBON FLM 1/16W 100-JB |
| RM01 | 0700041M | RES.-CARBON FLM 1/16W 1.0K-JB |
| RM02 | 0700058M | RES.-CARBON FLM 1/16W 22K-JB |
| RM03 | 0700045M | RES.-CARBON FLM 1/16W 2.2K-JB |
| RM04 | 0100065M | RES.-CARBON FLM 1/8W 1K-JB |
| RM05 | 0100065M | RES.-CARBON FLM 1/8W 1K-JB |
| RM06 | 0700041M | RES.-CARBON FLM 1/16W 1.0K-JB |
| RM07 | 0700043M | RES.-CARBON FLM 1/16W 1.5K-JB |
| RM08 | 0700046M | RES.-CARBON FLM 1/16W 2.7K-JB |
| RM09 | 0700049M | RES.-CARBON FLM 1/16W 4.7K-JB |
| RM10 | 0100129M | RES.-CARBON FLM 1/8W 470K-JB |
| RM11 | 0700041M | RES.-CARBON FLM 1/16W 1.0K-JB |
| RM12 | 0100125M | RES.-CARBON FLM 1/8W 330K-JB |
| RM13 | AT03871M | 1KOHM 1/2W RDS50 CARBON FILM RESISTOR |
| RM14 | 0100125M | RES.-CARBON FLM 1/8W 330K-JB |
| RM15 | 0700054M | RES.-CARBON FLM 1/16W 10K-JB |
| RM20 | 0100041M | RES.-CARBON FLM 1/8W 100-JB |
| RM21 | 0700041M | RES.-CARBON FLM 1/16W 1.0K-JB |
| RM22 | 0700041M | RES.-CARBON FLM 1/16W 1.0K-JB |
| RM23 | 0700064M | RES.-CARBON FLM 1/16W 56K-JB |
| RM24 | 0700045M | RES.-CARBON FLM 1/16W 2.2K-JB |
| RM25 | 0100123M | RES.-CARBON FLM 1/8W 270K-JB |
| RM26 | 0700047M | RES.-CARBON FLM 1/16W 3.3K-JB |
| RM27 | 0700064M | RES.-CARBON FLM 1/16W 56K-JB |
| RM28 | 0100123M | RES.-CARBON FLM 1/8W 270K-JB |
| RM29 | 0700041M | RES.-CARBON FLM 1/16W 1.0K-JB |
| RM30 | 0700041M | RES.-CARBON FLM 1/16W 1.0K-JB |
| RM31 | 0100041M | RES.-CARBON FLM 1/8W 100-JB |
| RM35 | 0700041M | RES.-CARBON FLM 1/16W 1.0K-JB |
| RM38 | 0700041M | RES.-CARBON FLM 1/16W 1.0K-JB |
| RM40 | 0700067M | RES.-CARBON FLM 1/16W 100K-JB |
| RM41 | 0700032M | RES.-CARBON FLM 1/16W 220-JB |
| RM42 | 0700041M | RES.-CARBON FLM 1/16W 1.0K-JB |
| RM43 | 0700059M | RES.-CARBON FLM 1/16W 27K-JB |
| RN01 | 0700054M | RES.-CARBON FLM 1/16W 10K-JB |
| RN02 | 0700057M | RES.-CARBON FLM 1/16W 18K-JB |
| RN03 | 0700061M | RES.-CARBON FLM 1/16W 33K-JB |
| RN04 | 0700058M | RES.-CARBON FLM 1/16W 22K-JB |
| RN05 | 0700051M | RES.-CARBON FLM 1/16W 5.6K-JB |
| RN06 | 0700044M | RES.-CARBON FLM 1/16W 1.8K-JB |
| RN08 | 0700051M | RES.-CARBON FLM 1/16W 5.6K-JB |
| RN09 | 0700052M | RES.-CARBON FLM 1/16W 6.8K-JB |
| RN10 | 0700054M | RES.-CARBON FLM 1/16W 10K-JB |
| RN11 | 0700067M | RES.-CARBON FLM 1/16W 100K-JB |
| RN12 | 0700041M | RES.-CARBON FLM 1/16W 1.0K-JB |
| RN13 | 0700052M | RES.-CARBON FLM 1/16W 6.8K-JB |
| RN14 | 0700041M | RES.-CARBON FLM 1/16W 1.0K-JB |
| RN15 | 0700052M | RES.-CARBON FLM 1/16W 6.8K-JB |
| RN16 | 0700052M | RES.-CARBON FLM 1/16W 6.8K-JB |
| RN17 | 0700063M | RES.-CARBON FLM 1/16W 47K-JB |

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| SYMBOL NO. | PART NO. | PART DESCRIPTION |
|---|---|---|
| RP01 | AT03905M | 390KOHM 1/2W RDS50 CARBON FILM RESISTOR |
| RP02 | AT03444S | METAL OX. 3.9KOHM 2W |
| RP03 | AT03444S | METAL OX. 3.9KOHM 2W |
| RP04 | 0700038M | RES.-CARBON FLM 1/16W 680-JB |
| RP05 | AT03844M | 10.0OHM 1/2W RDS50 CARBON FILM RESISTOR |
| ⚠ RP07 | AT03665M | RES.MTL GRAZD FLM 1/2W 1M |
| RP08 | 0700045M | RES.-CARBON FLM 1/16W 2.2K-JB |
| RP09 | 0700047M | RES.-CARBON FLM 1/16W 3.3K-JB |
| RP10 | AT01534S | METAL FILM 0.22OHM 1/2W |
| RP11 | AT01534S | METAL FILM 0.22OHM 1/2W |
| RP12 | AT01534S | METAL FILM 0.22OHM 1/2W |
| RP13 | 0700055M | RES.-CARBON FLM 1/16W 12K-JB |
| RP14 | 0700041M | RES.-CARBON FLM 1/16W 1.0K-JB |
| RP15 | 0700032M | RES.-CARBON FLM 1/16W 220-JB |
| RP16 | AT01534S | METAL FILM 0.22OHM 1/2W |
| RP19 | 0700051M | RES.-CARBON FLM 1/16W 5.6K-JB |
| RP20 | AT03886M | 15KOHM 1/2W RDS50 CARBON FILM RESISTOR |
| RP21 | AT03886M | 15KOHM 1/2W RDS50 CARBON FILM RESISTOR |
| RP22 | AT03608S | METAL OX. 5.6KOHM 3W |
| RP23 | AT03879M | 4.7KOHM 1/2W RDS50 CARBON FILM RESISTOR |
| RP24 | 0119693M | RES.-MTL FLM 1W 0.39-JB (DP17) |
| RP24 | AT03179S | METAL OX. 0.47OHM 1W (DP14G) |
| RP25 | 0700054M | RES.-CARBON FLM 1/16W 10K-JB |
| RP26 | AT03896M | 82KOHM 1/2W RDS50 CARBON FILM RESISTOR |
| RP27 | 0700049M | RES.-CARBON FLM 1/16W 4.7K-JB |
| RP28 | 0700058M | RES.-CARBON FLM 1/16W 22K-JB |
| RP29 | 0700063M | RES.-CARBON FLM 1/16W 47K-JB |
| ⚠ RP30 | 0700036M | RES.-CARBON FLM 1/16W 470-JB |
| RP31 | AT03894M | 56KOHM 1/2W RDS50 CARBON FILM RESISTOR |
| RP32 | AT03894M | 56KOHM 1/2W RDS50 CARBON FILM RESISTOR |
| RP33 | 0700054M | RES.-CARBON FLM 1/16W 10K-JB |
| RP34 | 0700052M | RES.-CARBON FLM 1/16W 6.8K-JB |
| RP35 | 0700063M | RES.-CARBON FLM 1/16W 47K-JB |
| RP40 | 0700045M | RES.-CARBON FLM 1/16W 2.2K-JB |
| RP41 | 0700041M | RES.-CARBON FLM 1/16W 1.0K-JB |
| RP44 | 0700043M | RES.-CARBON FLM 1/16W 1.5K-JB |
| RP46 | 0700041M | RES.-CARBON FLM 1/16W 1.0K-JB |
| RS05 | 0790037R | RES.CHIP 1/16W 1.0K OHM (DP17) |
| RS06 | 0790037R | RES.CHIP 1/16W 1.0K OHM (DP17) |
| RS07 | 0790037R | RES.CHIP 1/16W 1.0K OHM (DP17) |
| RS08 | 0790037R | RES.CHIP 1/16W 1.0K OHM (DP17) |
| RS09 | 0790037R | RES.CHIP 1/16W 1.0K OHM (DP17) |
| RS10 | 0790037R | RES.CHIP 1/16W 1.0K OHM (DP17) |
| RS11 | 0790037R | RES.CHIP 1/16W 1.0K OHM (DP17) |
| RS12 | 0790051R | RES.CHIP 1/16W 10K OHM (DP17) |
| RS13 | 0790051R | RES.CHIP 1/16W 10K OHM (DP17) |
| RS14 | 0790024R | RES.CHIP 1/16W 100 OHM (DP17) |
| RS15 | 0790024R | RES.CHIP 1/16W 100 OHM (DP17) |
| RS20 | 0790024R | RES.CHIP 1/16W 100 OHM (DP17) |
| RS21 | 0790001R | CHIP RESISTOR RECJUMPER-1-16C16T1608 (DP17 ) |
| RS22 | 0790028R | RES.CHIP 1/16W 220 OHM (DP17) |
| RS23 | 0790001R | CHIP RESISTOR RECJUMPER-1-16C16T1608 (DP17) |
| RS24 | 0196081R | RES 1608 CHIP 1/16W 3.6KJ TAPE (DP17) |
| RS25 | 0790046R | RES.CHIP 1/16W 4.7K OHM (DP17) |
| RS27 | 0790046R | RES.CHIP 1/16W 4.7K OHM (DP17) |
| RS28 | 0790046R | RES.CHIP 1/16W 4.7K OHM (DP17) |
| RS29 | 0196081R | RES 1608 CHIP 1/16W 3.6KJ TAPE (DP17) |
| RS31 | 0790046R | RES.CHIP 1/16W 4.7K OHM (DP17) |
| RS32 | 0790059R | RES.CHIP 1/16W 47K OHM (DP17) |
| RS33 | 0790059R | RES.CHIP 1/16W 47K OHM (DP17) |
| RS34 | 0790056R | RES.CHIP 1/16W 27K OHM (DP17) |
| RS36 | 0196102R | RES.-1608CHIP 1/16W 24K-J TAPE (DP17) |
| RS37 | 0196102R | RES.-1608CHIP 1/16W 24K-J TAPE (DP17) |
| RS38 | 0790024R | RES.CHIP 1/16W 100 OHM (DP17) |
| RS39 | 0196096R | RES.-1608CHIP 1/16W 13K-J TAPE (DP17) |
| RS40 | 0196096R | RES.-1608CHIP 1/16W 13K-J TAPE (DP17) |
| RS42 | 0790059R | RES.CHIP 1/16W 47K OHM (DP17) |
| RS43 | 0790055R | RES.CHIP 1/16W 22K OHM (DP17) |
| RS45 | 0790046R | RES.CHIP 1/16W 4.7K OHM (DP17) |
| RS47 | 0196087R | RES.-1608CHIP 1/16W 6.2K-J TAPE (DP17) |
| RS49 | 0790059R | RES.CHIP 1/16W 47K OHM (DP17) |
| RS50 | 0790024R | RES.CHIP 1/16W 100 OHM (DP17) |
| RS51 | 0790024R | RES.CHIP 1/16W 100 OHM (DP17) |
| RS52 | 0790024R | RES.CHIP 1/16W 100 OHM (DP17) |
| RS57 | 0790056R | RES.CHIP 1/16W 27K OHM (DP17) |
| RS59 | 0790001R | CHIP RESISTOR RECJUMPER-1-16C16T1608 (DP17) |
| RS60 | 0790056R | RES.CHIP 1/16W 27K OHM (DP17) |
| RS62 | 0790001R | CHIP RESISTOR RECJUMPER-1-16C16T1608 (DP17) |
| RS63 | 0790028R | RES.CHIP 1/16W 220 OHM (DP17) |
| RS64 | 0196100R | RES.-1608CHIP 1/16W 20K-J TAPE (DP17) |
| RS65 | 0790051R | RES.CHIP 1/16W 10K OHM (DP17) |
| RS66 | 0790056R | RES.CHIP 1/16W 27K OHM (DP17) |
| RS67 | 0790037R | RES.CHIP 1/16W 1.0K OHM (DP17) |
| RS68 | 0790037R | RES.CHIP 1/16W 1.0K OHM (DP17) |
| RS69 | 0790056R | RES.CHIP 1/16W 27K OHM (DP17) |
| RS70 | 0790037R | RES.CHIP 1/16W 1.0K OHM (DP17) |
| RS71 | 0790037R | RES.CHIP 1/16W 1.0K OHM (DP17) |
| RS72 | 0790056R | RES.CHIP 1/16W 27K OHM (DP17) |
| RS73 | 0790037R | RES.CHIP 1/16W 1.0K OHM (DP17) |
| RS74 | 0790037R | RES.CHIP 1/16W 1.0K OHM (DP17) |
| RS75 | 0790024R | RES.CHIP 1/16W 100 OHM (DP17) |
| RS76 | 0790024R | RES.CHIP 1/16W 100 OHM (DP17) |
| RS77 | 0790024R | RES.CHIP 1/16W 100 OHM (DP17) |
| RS78 | 0790059R | RES.CHIP 1/16W 47K OHM (DP17) |
| RS79 | 0790047R | RES.CHIP 1/16W 5.6K OHM (DP17) |
| RS80 | 0790047R | RES.CHIP 1/16W 5.6K OHM (DP17) |
| RS81 | 0790047R | RES.CHIP 1/16W 5.6K OHM (DP17) |
| RS82 | 0790045R | RES.CHIP 1/16W 3.9K OHM (DP17) |
| RS83 | 0790028R | RES.CHIP 1/16W 220 OHM (DP17) |
| RS84 | 0790001R | CHIP RESISTOR RECJUMPER-1-16C16T1608 (DP17) |
| RS92 | 0790042R | RES.CHIP 1/16W 2.2K OHM (DP17) |
| RS93 | 0790042R | RES.CHIP 1/16W 2.2K OHM (DP17) |
| RS94 | 0790042R | RES.CHIP 1/16W 2.2K OHM (DP17) |
| RS95 | 0790042R | RES.CHIP 1/16W 2.2K OHM (DP17) |
| RS96 | 0790037R | RES.CHIP 1/16W 1.0K OHM (DP17) |
| RS97 | 0790037R | RES.CHIP 1/16W 1.0K OHM (DP17) |
| RS98 | 0790059R | RES.CHIP 1/16W 47K OHM (DP17) |
| RS99 | 0790064R | RES.CHIP 1/16W 100K OHM (DP17) |
| RSA1 | 0790059R | RES.CHIP 1/16W 47K OHM (DP17) |
| RSA2 | 0790033R | RES.CHIP 1/16W 470 OHM (DP17) |
| RSA3 | 0790055R | RES.CHIP 1/16W 22K OHM (DP17) |
| RSA4 | 0790037R | RES.CHIP 1/16W 1.0K OHM (DP17) |

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| SYMBOL NO. | PART NO. | PART DESCRIPTION | SYMBOL NO. | PART NO. | PART DESCRIPTION |
|---|---|---|---|---|---|
| RSA5 | 0790062R | RES.CHIP 1/16W 68K OHM (DP17) | RT03 | 0790024R | RES.CHIP 1/16W 100 OHM (DP17) |
| RSA6 | 0790062R | RES.CHIP 1/16W 68K OHM (DP17) | RT04 | 0790024R | RES.CHIP 1/16W 100 OHM (DP17) |
| RSA7 | AT03197S | METAL OX. 2.2OHM 1W (DP17) | RT05 | 0790024R | RES.CHIP 1/16W 100 OHM (DP17) |
| RSA8 | AT03197S | METAL OX. 2.2OHM 1W (DP17) | RT06 | 0790024R | RES.CHIP 1/16W 100 OHM (DP17) |
| RSA9 | AT03871M | 1KOHM 1/2W RDS50 CARBON FILM RESISTOR (DP17) | RT07 | 0790024R | RES.CHIP 1/16W 100 OHM (DP17) |
| RSC1 | AT03871M | 1KOHM 1/2W RDS50 CARBON FILM RESISTOR (DP17) | RT08 | 0790024R | RES.CHIP 1/16W 100 OHM (DP17) |
| RSC2 | 0790059R | RES.CHIP 1/16W 47K OHM (DP17) | RT09 | 0790024R | RES.CHIP 1/16W 100 OHM (DP17) |
| RSC3 | 0790059R | RES.CHIP 1/16W 47K OHM (DP17) | RT10 | 0790024R | RES.CHIP 1/16W 100 OHM (DP17) |
| RSC4 | 0790024R | RES.CHIP 1/16W 100 OHM (DP17) | RT11 | 0790024R | RES.CHIP 1/16W 100 OHM (DP17) |
| RSC5 | 0790039R | RES.CHIP 1/16W 1.5K OHM (DP17) | RT12 | 0790024R | RES.CHIP 1/16W 100 OHM (DP17) |
| RSC6 | 0790032R | RES.CHIP 1/16W 390 OHM (DP17) | RT13 | 0790024R | RES.CHIP 1/16W 100 OHM (DP17) |
| RSC7 | 0790037R | RES.CHIP 1/16W 1.0K OHM (DP17) | RT14 | 0790024R | RES.CHIP 1/16W 100 OHM (DP17) |
| RSC8 | 0790059R | RES.CHIP 1/16W 47K OHM (DP17) | RT15 | 0790024R | RES.CHIP 1/16W 100 OHM (DP17) |
| RSC9 | 0790059R | RES.CHIP 1/16W 47K OHM (DP17) | RT16 | 0790024R | RES.CHIP 1/16W 100 OHM (DP17) |
| RSE1 | 0790024R | RES.CHIP 1/16W 100 OHM (DP17) | RT17 | 0790046R | RES.CHIP 1/16W 4.7K OHM (DP17) |
| RSE2 | 0790059R | RES.CHIP 1/16W 47K OHM (DP17) | RT18 | 0790051R | RES.CHIP 1/16W 10K OHM (DP17) |
| RSE4 | 0790037R | RES.CHIP 1/16W 1.0K OHM (DP17) | RT19 | 0790051R | RES.CHIP 1/16W 10K OHM (DP17) |
| RSE5 | 0790028R | RES.CHIP 1/16W 220 OHM (DP17) | RT20 | 0790039R | RES.CHIP 1/16W 1.5K OHM (DP17) |
| RSE6 | 0790028R | RES.CHIP 1/16W 220 OHM (DP17) | RT21 | 0790039R | RES.CHIP 1/16W 1.5K OHM (DP17) |
| RSE7 | 0790037R | RES.CHIP 1/16W 1.0K OHM (DP17) | RT22 | 0790039R | RES.CHIP 1/16W 1.5K OHM (DP17) |
| RSE8 | 0790037R | RES.CHIP 1/16W 1.0K OHM (DP17) | RT23 | 0790037R | RES.CHIP 1/16W 1.0K OHM (DP17) |
| RSE9 | 0790064R | RES.CHIP 1/16W 100K OHM (DP17) | RT24 | AT03849M | 27.0OHM 1/2W RDS50 CARBON FILM RESISTOR (DP17) |
| RSF1 | 0790064R | RES.CHIP 1/16W 100K OHM (DP17) | RT25 | 0790039R | RES.CHIP 1/16W 1.5K OHM (DP17) |
| RSF2 | 0790037R | RES.CHIP 1/16W 1.0K OHM (DP17) | RT26 | 0790051R | RES.CHIP 1/16W 10K OHM (DP17) |
| RSF3 | 0790064R | RES.CHIP 1/16W 100K OHM (DP17) | RT27 | 0790051R | RES.CHIP 1/16W 10K OHM (DP17) |
| RSF4 | 0790037R | RES.CHIP 1/16W 1.0K OHM (DP17) | RT28 | 0790051R | RES.CHIP 1/16W 10K OHM (DP17) |
| RSF5 | 0790064R | RES.CHIP 1/16W 100K OHM (DP17) | RT29 | 0790039R | RES.CHIP 1/16W 1.5K OHM (DP17) |
| RSF6 | 0790059R | RES.CHIP 1/16W 47K OHM (DP17) | RT30 | 0790039R | RES.CHIP 1/16W 1.5K OHM (DP17) |
| RSF7 | 0790059R | RES.CHIP 1/16W 47K OHM (DP17) | RT32 | 0790043R | RES.CHIP 1/16W 2.7K OHM (DP17) |
| RSF8 | 0790028R | RES.CHIP 1/16W 220 OHM (DP17) | RT33 | 0196081R | RES 1608 CHIP 1/16W 3.6KJ TAPE (DP17) |
| RSF9 | 0790037R | RES.CHIP 1/16W 1.0K OHM (DP17) | RT34 | 0790059R | RES.CHIP 1/16W 47K OHM (DP17) |
| RSH1 | 0790037R | RES.CHIP 1/16W 1.0K OHM (DP17) | RT35 | 0790001R | CHIP RESISTOR RECJUMPER-1-16C16T1608 (DP17) |
| RSH2 | 0790064R | RES.CHIP 1/16W 100K OHM (DP17) | RT36 | 0790001R | CHIP RESISTOR RECJUMPER-1-16C16T1608 (DP17) |
| RSH3 | 0790037R | RES.CHIP 1/16W 1.0K OHM (DP17) | RT37 | 0790001R | CHIP RESISTOR RECJUMPER-1-16C16T1608 (DP17) |
| RSH4 | 0790037R | RES.CHIP 1/16W 1.0K OHM (DP17) | RT38 | 0790001R | CHIP RESISTOR RECJUMPER-1-16C16T1608 (DP17) |
| RSH5 | 0790064R | RES.CHIP 1/16W 100K OHM (DP17) | RT39 | 0196054R | RES 1608 CHIP 1/16W 300J TAPE (DP17) |
| RSH6 | 0790037R | RES.CHIP 1/16W 1.0K OHM (DP17) | RT40 | 0196054R | RES 1608 CHIP 1/16W 300J TAPE (DP17) |
| RSH7 | 0790037R | RES.CHIP 1/16W 1.0K OHM (DP17) | RT41 | 0790043R | RES.CHIP 1/16W 2.7K OHM (DP17) |
| RSH8 | 0790046R | RES.CHIP 1/16W 4.7K OHM (DP17) | RT42 | 0196081R | RES 1608 CHIP 1/16W 3.6KJ TAPE (DP17) |
| RSH9 | 0790024R | RES.CHIP 1/16W 100 OHM (DP17) | RT43 | 0790059R | RES.CHIP 1/16W 47K OHM (DP17) |
| RSJ1 | 0196039R | RES 1608 CHIP 1/16W 75J TAPE (DP17) | RT44 | 0790001R | CHIP RESISTOR RECJUMPER-1-16C16T1608 (DP17) |
| RSJ2 | 0790059R | RES.CHIP 1/16W 47K OHM (DP17) | RT45 | 0790059R | RES.CHIP 1/16W 47K OHM (DP17) |
| RSJ3 | 0790037R | RES.CHIP 1/16W 1.0K OHM (DP17) | RT46 | 0790001R | CHIP RESISTOR RECJUMPER-1-16C16T1608 (DP17) |
| RSJ4 | 0790051R | RES.CHIP 1/16W 10K OHM (DP17) | RT47 | 0790059R | RES.CHIP 1/16W 47K OHM (DP17) |
| RSJ5 | 0790028R | RES.CHIP 1/16W 220 OHM (DP17) | RT48 | 0790001R | CHIP RESISTOR RECJUMPER-1-16C16T1608 (DP17) |
| RSJ6 | 0790028R | RES.CHIP 1/16W 220 OHM (DP17) | RT49 | 0790001R | CHIP RESISTOR RECJUMPER-1-16C16T1608 (DP17) |
| RSJ7 | 0790028R | RES.CHIP 1/16W 220 OHM (DP17) | RT50 | 0196054R | RES 1608 CHIP 1/16W 300J TAPE (DP17) |
| RSJ8 | 0790028R | RES.CHIP 1/16W 220 OHM (DP17) | RT51 | 0196054R | RES 1608 CHIP 1/16W 300J TAPE (DP17) |
| RSJ9 | 0790028R | RES.CHIP 1/16W 220 OHM (DP17) | RT52 | 0790046R | RES.CHIP 1/16W 4.7K OHM (DP17) |
| RSK1 | 0790059R | RES.CHIP 1/16W 47K OHM (DP17) | RT54 | 0196091R | RES.-1608CHIP 1/16W 9.1K-J TAPE (DP17) |
| RSK4 | 0790001R | CHIP RESISTOR RECJUMPER-1-16C16T1608 (DP17) | RT55 | 0790059R | RES.CHIP 1/16W 47K OHM (DP17) |
| RSK5 | 0790001R | CHIP RESISTOR RECJUMPER-1-16C16T1608 (DP17) | RT56 | 0790037R | RES.CHIP 1/16W 1.0K OHM (DP17) |
| RSK6 | 0790001R | CHIP RESISTOR RECJUMPER-1-16C16T1608 (DP17) | RT57 | 0790051R | RES.CHIP 1/16W 10K OHM (DP17) |
| RSK7 | 0790001R | CHIP RESISTOR RECJUMPER-1-16C16T1608 (DP17) | RT58 | 0790064R | RES.CHIP 1/16W 100K OHM (DP17) |
| RT01 | 0790024R | RES.CHIP 1/16W 100 OHM (DP17) | RT59 | 0790046R | RES.CHIP 1/16W 4.7K OHM (DP17) |
| RT02 | 0790024R | RES.CHIP 1/16W 100 OHM (DP17) | RT61 | 0196091R | RES.-1608CHIP 1/16W 9.1K-J TAPE (DP17) |

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| SYMBOL NO. | PART NO. | PART DESCRIPTION | SYMBOL NO. | PART NO. | PART DESCRIPTION |
|---|---|---|---|---|---|
| RT62 | 0790059R | RES.CHIP 1/16W 47K OHM (DP17) | RX38 | 0790047R | RES.CHIP 1/16W 5.6K OHM |
| RT63 | 0790037R | RES.CHIP 1/16W 1.0K OHM (DP17) | RX39 | 0790047R | RES.CHIP 1/16W 5.6K OHM |
| RT64 | 0790051R | RES.CHIP 1/16W 10K OHM (DP17) | RX40 | 0790069R | RES.CHIP 1/16W 270K OHM |
| RT67 | 0790001R | CHIP RESISTOR RECJUMPER-1-16C16T1608 (DP17) | RX41 | 0790069R | RES.CHIP 1/16W 270K OHM |
| RT68 | 0790059R | RES.CHIP 1/16W 47K OHM (DP17) | RX42 | AQ00163R | RES.CHIP 1/16W 68 OHM TAPE |
| RT69 | 0790037R | RES.CHIP 1/16W 1.0K OHM (DP17) | RX43 | 0790037R | RES.CHIP 1/16W 1.0K OHM |
| RT70 | 0790051R | RES.CHIP 1/16W 10K OHM (DP17) | RX44 | 0790037R | RES.CHIP 1/16W 1.0K OHM |
| RT73 | 0790001R | CHIP RESISTOR RECJUMPER-1-16C16T1608 (DP17) | RX45 | 0790064R | RES.CHIP 1/16W 100K OHM |
| RT74 | 0790059R | RES.CHIP 1/16W 47K OHM (DP17) | RX46 | 0790064R | RES.CHIP 1/16W 100K OHM |
| RT75 | 0790037R | RES.CHIP 1/16W 1.0K OHM (DP17) | RX47 | 0790064R | RES.CHIP 1/16W 100K OHM |
| RT76 | 0790051R | RES.CHIP 1/16W 10K OHM (DP17) | RX48 | AQ00163R | RES.CHIP 1/16W 68 OHM TAPE |
| RT77 | 0790056R | RES.CHIP 1/16W 27K OHM (DP17) | RX49 | AQ00163R | RES.CHIP 1/16W 68 OHM TAPE |
| RT78 | 0790037R | RES.CHIP 1/16W 1.0K OHM (DP17) | RX50 | 0790064R | RES.CHIP 1/16W 100K OHM |
| RT79 | 0790037R | RES.CHIP 1/16W 1.0K OHM (DP17) | RX51 | 0790064R | RES.CHIP 1/16W 100K OHM |
| RT80 | 0790059R | RES.CHIP 1/16W 47K OHM (DP17) | RX52 | 0790037R | RES.CHIP 1/16W 1.0K OHM |
| RT81 | 0790037R | RES.CHIP 1/16W 1.0K OHM (DP17) | RX54 | 0790037R | RES.CHIP 1/16W 1.0K OHM |
| RT82 | 0790051R | RES.CHIP 1/16W 10K OHM (DP17) | RX55 | 0790046R | RES.CHIP 1/16W 4.7K OHM |
| RT83 | 0790056R | RES.CHIP 1/16W 27K OHM (DP17) | RX56 | 0790024R | RES.CHIP 1/16W 100 OHM |
| RT84 | 0790037R | RES.CHIP 1/16W 1.0K OHM (DP17) | RX57 | 0790024R | RES.CHIP 1/16W 100 OHM |
| RT85 | 0790037R | RES.CHIP 1/16W 1.0K OHM (DP17) | RX58 | 0790024R | RES.CHIP 1/16W 100 OHM |
| RT86 | 0790059R | RES.CHIP 1/16W 47K OHM (DP17) | RX59 | 0790024R | RES.CHIP 1/16W 100 OHM |
| RT87 | 0790037R | RES.CHIP 1/16W 1.0K OHM (DP17) | RX60 | 0790024R | RES.CHIP 1/16W 100 OHM |
| RT88 | 0790051R | RES.CHIP 1/16W 10K OHM (DP17) | RX61 | 0790024R | RES.CHIP 1/16W 100 OHM |
| RT89 | 0188099M | RES.-CARBON FLM 1/2W 4.7-JB (DP17) | RX62 | 0790024R | RES.CHIP 1/16W 100 OHM |
| RX01 | 0790024R | RES.CHIP 1/16W 100 OHM | RX63 | 0790024R | RES.CHIP 1/16W 100 OHM |
| RX02 | 0790047R | RES.CHIP 1/16W 5.6K OHM | RX64 | 0790024R | RES.CHIP 1/16W 100 OHM |
| RX03 | 0790047R | RES.CHIP 1/16W 5.6K OHM | RX65 | 0790024R | RES.CHIP 1/16W 100 OHM |
| RX04 | AQ00164R | RES.CHIP 1/16W 75 OHM TAPE | RX66 | 0790024R | RES.CHIP 1/16W 100 OHM |
| RX05 | 0790069R | RES.CHIP 1/16W 270K OHM | RX67 | 0790042R | RES.CHIP 1/16W 2.2K OHM |
| RX06 | 0790069R | RES.CHIP 1/16W 270K OHM | RX68 | 0790024R | RES.CHIP 1/16W 100 OHM |
| RX07 | 0790024R | RES.CHIP 1/16W 100 OHM | RX69 | 0790037R | RES.CHIP 1/16W 1.0K OHM |
| RX08 | 0790024R | RES.CHIP 1/16W 100 OHM | RX70 | AQ00164R | RES.CHIP 1/16W 75 OHM TAPE |
| RX09 | AQ00164R | RES.CHIP 1/16W 75 OHM TAPE | RX71 | 0790024R | RES.CHIP 1/16W 100 OHM |
| RX10 | AQ00164R | RES.CHIP 1/16W 75 OHM TAPE | RX72 | AQ00164R | RES.CHIP 1/16W 75 OHM TAPE |
| RX11 | 0790037R | RES.CHIP 1/16W 1.0K OHM | RX73 | 0790024R | RES.CHIP 1/16W 100 OHM |
| RX12 | 0790024R | RES.CHIP 1/16W 100 OHM | RX74 | 0790037R | RES.CHIP 1/16W 1.0K OHM |
| RX13 | 0790047R | RES.CHIP 1/16W 5.6K OHM | RX75 | 0790047R | RES.CHIP 1/16W 5.6K OHM |
| RX14 | 0790047R | RES.CHIP 1/16W 5.6K OHM | RX76 | 0790047R | RES.CHIP 1/16W 5.6K OHM |
| RX15 | AQ00164R | RES.CHIP 1/16W 75 OHM TAPE | RX77 | 0790037R | RES.CHIP 1/16W 1.0K OHM |
| RX16 | 0790069R | RES.CHIP 1/16W 270K OHM | RX78 | 0790024R | RES.CHIP 1/16W 100 OHM |
| RX17 | 0790069R | RES.CHIP 1/16W 270K OHM | RX79 | AQ00164R | RES.CHIP 1/16W 75 OHM TAPE |
| RX18 | 0790024R | RES.CHIP 1/16W 100 OHM | RX80 | 0790024R | RES.CHIP 1/16W 100 OHM |
| RX19 | 0790024R | RES.CHIP 1/16W 100 OHM | RX81 | 0790024R | RES.CHIP 1/16W 100 OHM |
| RX20 | AQ00164R | RES.CHIP 1/16W 75 OHM TAPE | RX82 | 0790033R | RES.CHIP 1/16W 470 OHM |
| RX21 | AQ00164R | RES.CHIP 1/16W 75 OHM TAPE | RX83 | 0790033R | RES.CHIP 1/16W 470 OHM |
| RX22 | 0790037R | RES.CHIP 1/16W 1.0K OHM | RX84 | AQ00185R | RES.CHIP 1/16W 470 OHM TAPE |
| RX23 | AQ00164R | RES.CHIP 1/16W 75 OHM TAPE | RX85 | AQ00176R | RES.CHIP 1/16W 220 OHM TAPE |
| RX24 | AQ00164R | RES.CHIP 1/16W 75 OHM TAPE | RX86 | AQ00176R | RES.CHIP 1/16W 220 OHM TAPE |
| RX25 | AQ00164R | RES.CHIP 1/16W 75 OHM TAPE | RX87 | 0790024R | RES.CHIP 1/16W 100 OHM |
| RX26 | 0790047R | RES.CHIP 1/16W 5.6K OHM | RX88 | 0790024R | RES.CHIP 1/16W 100 OHM |
| RX27 | 0790047R | RES.CHIP 1/16W 5.6K OHM | RX89 | 0790024R | RES.CHIP 1/16W 100 OHM |
| RX28 | 0790069R | RES.CHIP 1/16W 270K OHM | RX90 | 0790046R | RES.CHIP 1/16W 4.7K OHM |
| RX29 | 0790069R | RES.CHIP 1/16W 270K OHM | RX91 | 0790043R | RES.CHIP 1/16W 2.7K OHM |
| RX35 | AQ00164R | RES.CHIP 1/16W 75 OHM TAPE | RX92 | 0790044R | RES.CHIP 1/16W 3.3K OHM |
| RX36 | AQ00164R | RES.CHIP 1/16W 75 OHM TAPE | RX94 | 0790001R | CHIP RESISTOR RECJUMPER-1-16C16T1608 |
| RX37 | AQ00164R | RES.CHIP 1/16W 75 OHM TAPE | RX95 | 0790051R | RES.CHIP 1/16W 10K OHM |

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| SYMBOL NO. | PART NO. | PART DESCRIPTION | SYMBOL NO. | PART NO. | PART DESCRIPTION |
|---|---|---|---|---|---|
| RX96 | 0790051R | RES.CHIP 1/16W 10K OHM | RY57 | 0790001R | CHIP RESISTOR RECJUMPER-1-16C16T1608 |
| RY01 | 0790043R | RES.CHIP 1/16W 2.7K OHM | RY58 | 0790001R | CHIP RESISTOR RECJUMPER-1-16C16T1608 |
| RY02 | 0790043R | RES.CHIP 1/16W 2.7K OHM | RY59 | 0790001R | CHIP RESISTOR RECJUMPER-1-16C16T1608 |
| RY03 | 0790043R | RES.CHIP 1/16W 2.7K OHM | RY60 | 0790001R | CHIP RESISTOR RECJUMPER-1-16C16T1608 |
| RY04 | 0790024R | RES.CHIP 1/16W 100 OHM | RY61 | 0790001R | CHIP RESISTOR RECJUMPER-1-16C16T1608 |
| RY05 | 0790024R | RES.CHIP 1/16W 100 OHM | RY62 | 0790037R | RES.CHIP 1/16W 1.0K OHM |
| RY06 | 0196104R | RES 1608 CHIP 1/16W 30KJ TAPE | RY64 | 0790037R | RES.CHIP 1/16W 1.0K OHM |
| RY07 | 0196079R | RES.-1608CHIP 1/16W 3.0K-J TAPE | RY65 | AQ00221R | RES.CHIP 1/16W 10K OHM TAPE |
| RY08 | 0196056R | RES.-1608CHIP 1/16W 360-J TAPE | RY66 | 0790001R | CHIP RESISTOR RECJUMPER-1-16C16T1608 |
| RY09 | 0790024R | RES.CHIP 1/16W 100 OHM | RY67 | 0790024R | RES.CHIP 1/16W 100 OHM |
| RY10 | 0790024R | RES.CHIP 1/16W 100 OHM | RY68 | 0790024R | RES.CHIP 1/16W 100 OHM |
| RY11 | 0790024R | RES.CHIP 1/16W 100 OHM | RY69 | 0790024R | RES.CHIP 1/16W 100 OHM |
| RY12 | 0790034R | RES.CHIP 1/16W 560 OHM | RY70 | 0790024R | RES.CHIP 1/16W 100 OHM |
| RY13 | 0790034R | RES.CHIP 1/16W 560 OHM | RY71 | 0790037R | RES.CHIP 1/16W 1.0K OHM |
| RY14 | 0790034R | RES.CHIP 1/16W 560 OHM | RY72 | 0790037R | RES.CHIP 1/16W 1.0K OHM |
| RY15 | 0790034R | RES.CHIP 1/16W 560 OHM | RY73 | 0790037R | RES.CHIP 1/16W 1.0K OHM |
| RY16 | 0790034R | RES.CHIP 1/16W 560 OHM | RY74 | 0790024R | RES.CHIP 1/16W 100 OHM |
| RY17 | 0790034R | RES.CHIP 1/16W 560 OHM | RY75 | 0790024R | RES.CHIP 1/16W 100 OHM |
| RY18 | 0790034R | RES.CHIP 1/16W 560 OHM | RY76 | 0790024R | RES.CHIP 1/16W 100 OHM |
| RY19 | 0790034R | RES.CHIP 1/16W 560 OHM | RY77 | 0790024R | RES.CHIP 1/16W 100 OHM |
| RY20 | 0790034R | RES.CHIP 1/16W 560 OHM | RY78 | 0790024R | RES.CHIP 1/16W 100 OHM |
| RY21 | 0790024R | RES.CHIP 1/16W 100 OHM | RY79 | 0790037R | RES.CHIP 1/16W 1.0K OHM |
| RY22 | 0790024R | RES.CHIP 1/16W 100 OHM | RY80 | 0790037R | RES.CHIP 1/16W 1.0K OHM |
| RY23 | 0790024R | RES.CHIP 1/16W 100 OHM | RY81 | 0790037R | RES.CHIP 1/16W 1.0K OHM |
| RY24 | 0790037R | RES.CHIP 1/16W 1.0K OHM | RY82 | 0790024R | RES.CHIP 1/16W 100 OHM |
| RY25 | 0790037R | RES.CHIP 1/16W 1.0K OHM | RY83 | 0790024R | RES.CHIP 1/16W 100 OHM |
| RY26 | 0790037R | RES.CHIP 1/16W 1.0K OHM | RY84 | 0790024R | RES.CHIP 1/16W 100 OHM |
| RY27 | 0790001R | CHIP RESISTOR RECJUMPER-1-16C16T1608 | RY85 | 0790024R | RES.CHIP 1/16W 100 OHM |
| RY28 | 0790001R | CHIP RESISTOR RECJUMPER-1-16C16T1608 | RY86 | 0790024R | RES.CHIP 1/16W 100 OHM |
| RY29 | 0790001R | CHIP RESISTOR RECJUMPER-1-16C16T1608 | RY87 | 0790024R | RES.CHIP 1/16W 100 OHM |
| RY30 | 0790001R | CHIP RESISTOR RECJUMPER-1-16C16T1608 | RY88 | 0790024R | RES.CHIP 1/16W 100 OHM |
| RY31 | 0790001R | CHIP RESISTOR RECJUMPER-1-16C16T1608 | RY89 | 0790024R | RES.CHIP 1/16W 100 OHM |
| RY32 | 0790001R | CHIP RESISTOR RECJUMPER-1-16C16T1608 | RY90 | 0790024R | RES.CHIP 1/16W 100 OHM |
| RY33 | 0790001R | CHIP RESISTOR RECJUMPER-1-16C16T1608 | RY91 | 0790024R | RES.CHIP 1/16W 100 OHM |
| RY34 | 0790001R | CHIP RESISTOR RECJUMPER-1-16C16T1608 | RY92 | 0790037R | RES.CHIP 1/16W 1.0K OHM |
| RY35 | 0790001R | CHIP RESISTOR RECJUMPER-1-16C16T1608 | RY93 | 0790037R | RES.CHIP 1/16W 1.0K OHM |
| RY36 | 0790001R | CHIP RESISTOR RECJUMPER-1-16C16T1608 | RY94 | 0790037R | RES.CHIP 1/16W 1.0K OHM |
| RY37 | 0790001R | CHIP RESISTOR RECJUMPER-1-16C16T1608 | RY95 | 0790024R | RES.CHIP 1/16W 100 OHM |
| RY38 | 0790001R | CHIP RESISTOR RECJUMPER-1-16C16T1608 | RY96 | 0790024R | RES.CHIP 1/16W 100 OHM |
| RY39 | 0790001R | CHIP RESISTOR RECJUMPER-1-16C16T1608 | RY97 | 0790024R | RES.CHIP 1/16W 100 OHM |
| RY40 | 0790001R | CHIP RESISTOR RECJUMPER-1-16C16T1608 | RY98 | 0790041R | RES.CHIP 1/16W 1.8K OHM |
| RY41 | 0790037R | RES.CHIP 1/16W 1.0K OHM | RY99 | 0790041R | RES.CHIP 1/16W 1.8K OHM |
| RY42 | 0790037R | RES.CHIP 1/16W 1.0K OHM | RZ01 | 0790041R | RES.CHIP 1/16W 1.8K OHM |
| RY44 | AQ00221R | RES.CHIP 1/16W 10K OHM TAPE | RZ02 | 0790001R | CHIP RESISTOR RECJUMPER-1-16C16T1608 |
| RY45 | 0790001R | CHIP RESISTOR RECJUMPER-1-16C16T1608 | RZ03 | 0790001R | CHIP RESISTOR RECJUMPER-1-16C16T1608 |
| RY46 | 0790024R | RES.CHIP 1/16W 100 OHM | RZ04 | 0790001R | CHIP RESISTOR RECJUMPER-1-16C16T1608 |
| RY47 | 0790024R | RES.CHIP 1/16W 100 OHM | RZ05 | 0790001R | CHIP RESISTOR RECJUMPER-1-16C16T1608 |
| RY48 | 0790001R | CHIP RESISTOR RECJUMPER-1-16C16T1608 | RZ06 | 0790001R | CHIP RESISTOR RECJUMPER-1-16C16T1608 |
| RY49 | 0790001R | CHIP RESISTOR RECJUMPER-1-16C16T1608 | RZ07 | 0790001R | CHIP RESISTOR RECJUMPER-1-16C16T1608 |
| RY50 | 0790001R | CHIP RESISTOR RECJUMPER-1-16C16T1608 | RZ08 | 0790001R | CHIP RESISTOR RECJUMPER-1-16C16T1608 |
| RY51 | 0790001R | CHIP RESISTOR RECJUMPER-1-16C16T1608 | RZ09 | 0790024R | RES.CHIP 1/16W 100 OHM |
| RY52 | 0790001R | CHIP RESISTOR RECJUMPER-1-16C16T1608 | RZ10 | 0790024R | RES.CHIP 1/16W 100 OHM |
| RY53 | 0790001R | CHIP RESISTOR RECJUMPER-1-16C16T1608 | RZ11 | 0790024R | RES.CHIP 1/16W 100 OHM |
| RY54 | 0790001R | CHIP RESISTOR RECJUMPER-1-16C16T1608 | RZ12 | 0790001R | CHIP RESISTOR RECJUMPER-1-16C16T1608 |
| RY55 | 0790001R | CHIP RESISTOR RECJUMPER-1-16C16T1608 | RZ13 | 0790001R | CHIP RESISTOR RECJUMPER-1-16C16T1608 |
| RY56 | 0790001R | CHIP RESISTOR RECJUMPER-1-16C16T1608 | RZ15 | 0790001R | CHIP RESISTOR RECJUMPER-1-16C16T1608 |

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| SYMBOL NO. | PART NO. | PART DESCRIPTION |
|---|---|---|
| RZ17 | 0790001R | CHIP RESISTOR RECJUMPER-1-16C16T1608 |
| RZ18 | 0790059R | RES.CHIP 1/16W 47K OHM |
| RZ19 | 0790059R | RES.CHIP 1/16W 47K OHM |
| RZ20 | 0790037R | RES.CHIP 1/16W 1.0K OHM |
| RZ21 | 0790051R | RES.CHIP 1/16W 10K OHM |
| RZ22 | 0790064R | RES.CHIP 1/16W 100K OHM |
| RZ23 | 0790056R | RES.CHIP 1/16W 27K OHM |
| RZ24 | 0790044R | RES.CHIP 1/16W 3.3K OHM |
| RZ25 | 0790051R | RES.CHIP 1/16W 10K OHM |
| RZ27 | 0790051R | RES.CHIP 1/16W 10K OHM |
| RZ33 | 0790024R | RES.CHIP 1/16W 100 OHM |
| RZ37 | 0790037R | RES.CHIP 1/16W 1.0K OHM |
| RZ39 | 0790037R | RES.CHIP 1/16W 1.0K OHM |
| RZ41 | 0790001R | CHIP RESISTOR RECJUMPER-1-16C16T1608 |
| RZ43 | 0790055R | RES.CHIP 1/16W 22K OHM |
| RZ44 | 0790024R | RES.CHIP 1/16W 100 OHM |
| RZ45 | 0790024R | RES.CHIP 1/16W 100 OHM |
| RZ46 | 0790042R | RES.CHIP 1/16W 2.2K OHM |
| RZ47 | 0790044R | RES.CHIP 1/16W 3.3K OHM |
| RZ48 | 0790044R | RES.CHIP 1/16W 3.3K OHM |
| RZ49 | 0790039R | RES.CHIP 1/16W 1.5K OHM |
| RZ50 | 0790039R | RES.CHIP 1/16W 1.5K OHM |
| RZ51 | 0790033R | RES.CHIP 1/16W 470 OHM |
| RZ52 | 0790033R | RES.CHIP 1/16W 470 OHM |
| RZ53 | 0790039R | RES.CHIP 1/16W 1.5K OHM |
| RZ54 | 0790033R | RES.CHIP 1/16W 470 OHM |
| RZ55 | 0790039R | RES.CHIP 1/16W 1.5K OHM |
| RZ56 | 0790033R | RES.CHIP 1/16W 470 OHM |
| RZ57 | 0790053R | RES.CHIP 1/16W 15K OHM |
| RZ58 | 0790028R | RES.CHIP 1/16W 220 OHM |
| RZ59 | 0790063R | RES.CHIP 1/16W 82K OHM |
| RZ60 | 0790037R | RES.CHIP 1/16W 1.0K OHM |
| RZ61 | 0790028R | RES.CHIP 1/16W 220 OHM |
| RZ62 | 0790063R | RES.CHIP 1/16W 82K OHM |
| RZ63 | 0790037R | RES.CHIP 1/16W 1.0K OHM |
| RZ64 | 0790001R | CHIP RESISTOR RECJUMPER-1-16C16T1608 |
| RZ65 | 0790001R | CHIP RESISTOR RECJUMPER-1-16C16T1608 |
| RZ66 | 0790001R | CHIP RESISTOR RECJUMPER-1-16C16T1608 |
| RZ67 | 0790001R | CHIP RESISTOR RECJUMPER-1-16C16T1608 |
| | | |
| | | **SWITCHES** |
| SK01 | FE10332R | SWITCH (TYPE SWP01N01TKSH0636BT) |
| SM01 | FE10402R | PUSH SWITCH SKQNAB |
| SM02 | FE10402R | PUSH SWITCH SKQNAB |
| SM03 | FE10402R | PUSH SWITCH SKQNAB |
| SM04 | FE10402R | PUSH SWITCH SKQNAB |
| SM05 | FE10402R | PUSH SWITCH SKQNAB |
| SM06 | FE10402R | PUSH SWITCH SKQNAB |
| SM07 | FE10402R | PUSH SWITCH SKQNAB |
| SM09 | FE10402R | PUSH SWITCH SKQNAB |
| | | |
| | | **TRANSFORMERS** |
| ⚠ T701 | BZ03982 | CHOKE TRANS.-DP1X (HOT) |
| ⚠ T702 | BZ03061 | DRIVE TRANS.-DJ81 |
| ⚠ T901 | BT01961 | SWITCHING TRANSFORMER (DP14G) |

| SYMBOL NO. | PART NO. | PART DESCRIPTION |
|---|---|---|
| ⚠ T901 | BT02011 | S/W TRANS EE42F16US-DP17 (DP17) |
| ⚠ TH01 | BW00635 | FBT-HFL1735YP(DP1X) |
| ⚠ TP91 | BT01951 | SWITCHING TRANSFORMER |
| | | |
| | | **COMPOUND COMPONENTS** |
| UC01 | CS00493 | FC UNIT (HC5613) |
| UC01 | CS00553 | FLEX CONTROLLER UNIT HC5613T |
| UKDG | CS00452 | DIGITAL CONVERGENCE UNIT HC2152 (DP17) |
| UKDG | CS00453 | DIGITAL CONVERGENCE UNIT HC2153 (DP14G) |
| | | |
| | | **PRTs** |
| V1B | DE01316 | CRT P16LFT00 BMB EU (53/61SWX) |
| V1B | DE01913 | CRT P16LTG00 BMB (43UWX) |
| V1B | DE01993 | CRT P16LSG03 BMB (53/61UWX) |
| V1G | DE01319 | CRT P16LFT00 HHA LU (53/61SWX) |
| V1G | DE01912 | CRT P16LTG00 HHA (43UWX) |
| V1G | DE01992 | CRT P16LSG03 HKA (53/61UWX) |
| V1R | DE01318 | CRT P16LFT00 RFA LU (53/61SWX) |
| V1R | DE01911 | CRT P16LTG00 RFA (43UWX) |
| V1R | DE01991 | CRT P16LSG03 RJA (53/61UWX) |
| | | |
| | | **CRYSTALS** |
| X001 | 2163971 | CERAMIC FILTER 4MHZ |
| X301 | 2168601 | VFL-HC49U/S 20.00MHZ |
| X302 | BE00341 | 3.58MHZ BAND PASS LC FILTER |
| X303 | BE00351 | 6.0MHZ LOW PASS LC FILTER |
| X551 | 2791501 | CRYSTAL HC-49/U |
| X552 | 2168771 | X'TAL(TYPE CSB503F30) |
| XC01 | 2168771 | X'TAL(TYPE CSB503F30) |
| XS01 | BP01071 | RESONATOR FOR AUDIO (DP17) |
| XX01 | 2791501 | CRYSTAL HC-49/U |
| XX02 | 2168771 | X'TAL(TYPE CSB503F30) |
| XX03 | 2163971 | CERAMIC FILTER 4MHZ |
| XX04 | 2163971 | CERAMIC FILTER 4MHZ |
| | | |
| | | **MISCELLANEOUS** |
| # | UE08702 | DP14G POWER DEFLECTION B.ASY |
| # | UE08706 | DP17 POWER DEFLECTION B.ASY |
| # | UE07781 | CPD-LTG 43 LC B.ASY(R) (43UWX) |
| # | UE07782 | CPD-LTG 43 LC B.ASY(G) (43UWX) |
| # | UE07783 | CPD-LTG 43 LC B.ASY(B) (43UWX) |
| # | QG00817 | 53" BACK COVER ASSY (53SWX) |
| # | QG01321 | 43FWX10B REAR COVER ASY (43UWX) |
| # | QG00834 | 60" BACK COVER ASSY 1ST (61UWX) |
| # | NT02141 | 53SWX10B FRAME ASY |
| # | NT02142 | 61SWX10B FRAME ASY |
| # | NT02143 | 53UWX10B FRAME ASY |
| # | NT02144 | 61UWX10B FRAME ASY |
| # | NT02145 | 53SWX12B FRAME ASY |
| # | NT02146 | 61SWX12B FRAME ASY |
| # | KR01072 | 61SWX01W SCREEN ASY |
| # | KR01075 | 53SWX10B SCREEN ASY |
| # | KR01464 | 43UWX10B SCREEN ASY |
| # | KR01466 | 53UWX10B SCREEN ASY |
| # | KR01467 | 61UWX10B SCREEN ASY |
| # 10 | QD21381 | 43" WIDE BACK COVER (43UWX) |

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| SYMBOL NO. | PART NO. | PART DESCRIPTION |
|---|---|---|
| # 10 | QD21421 | 43" WIDE FRAME A (43UWX) |
| # 20 | KS02027 | 01' 43" WIDE MIRROR GLASS (43UWX) |
| # 30 | NA53251 | 43W UPPER MIRROR HOLDER (43UWX) |
| # 35 | NA53261 | 43W LOWER MIRROR HOLDER (43UWX) |
| # 40 | NA52043 | 43 CENTRAL METAL MIRROR (43UWX) |
| # 45 | NA52044 | 43 CENTRAL METAL MIRROR (43UWX) |
| #002 | UE08652 | DP14G MAIN CHASSIS ASY |
| #002 | UE08662 | DP14G SIGNAL B.ASY |
| #004 | QG00814 | REAR COVER ASS'Y (53UWX) |
| #005 | NA11706 | SBA LENS CRT METAL (BLACK) |
| #005 | NA52171 | CPD LENS CRT METAL |
| #006 | UE08656 | DP17 MAIN CHASSIS ASY |
| #006 | UE08666 | DP17 SIGNAL B.ASY |
| #011 | UE08801 | SBB-LFT* # LC B.ASY(R) (53SWX) |
| #011 | KR01075 | 53SWX10B SCREEN ASY |
| #011 | KR01464 | 43FUX10B SCREEN ASY |
| #012 | UE08802 | SBB-LFT* # LC B.ASY(G) (53SWX) |
| #012 | KR01072 | 61SWX01W SCREEN ASY |
| #013 | UE08803 | SBB-LFT* # LC B.ASY(B) (53SWX) |
| #013 | KR01466 | 53UWX10B SCREEN ASY |
| #014 | UE07901 | SBB-LFT # LC B.ASY(R) (61SWX) |
| #014 | KR01467 | 61UWX10B SCREEN ASY |
| #015 | UE07902 | SBB-LFT # LC B.ASY(G) (61SWX) |
| #015 | NJ05481 | CATCH HOLDER HP/DP 1 |
| #016 | UE07903 | SBB-LFT # LC B.ASY(B) (61SWX) |
| #018 | NA47422 | 43" GRIP METAL (UWX) |
| #021 | QG00818 | 53UWX BACK COVER ASSY |
| #021 | QG01321 | 43UWX10B REAR COVER ASY |
| #021 | QG00818 | 53UWX BACK COVER ASSY |
| #022 | KS00113 | MIRROR ASSY 61" |
| #031 | KS00113 | MIRROR ASSY 61" (UWX) |
| #031 | UE07781 | CPD-LTG 43 LC B.ASY(R) (43UWX) |
| #032 | UE07782 | CPD-LTG 43 LC B.ASY(G) (43UWX) |
| #033 | UE07783 | CPD-LTG 43 LC B.ASY(B) (43UWX) |
| #034 | UE08951 | CPC-LFM 53 LC B.ASY(R) (53UWX) |
| #035 | UE08952 | CPC-LFM 53 LC B.ASY(G) (53UWX) |
| #036 | UE08953 | CPC-LFM 53 LC B.ASY(B) (53UWX) |
| #037 | UE09064 | CPD-LSG 60 LC B.ASY(R) (61UWX) |
| #038 | UE09065 | CPD-LSG 60 LC B.ASY(G) (61UWX) |
| #039 | UE09066 | CPD-LSG 60 LC B.ASY(B) (61UWX) |
| #041 | NT02141 | 53SWX10B FRAME ASY |
| #041 | NT02151 | 43UWX10B FRAME ASY |
| #041 | NT02143 | 53UWX10B FRAME ASY |
| #041 | UE08722 | DP14G CONTROL B.ASY (61UWX) |
| #042 | NT02142 | 61SWX10B FRAME ASY |
| #042 | NT02144 | 61UWX10B FRAME ASY |
| #051 | QD21501 | 53SWX10B CABINET ASY |
| #051 | QD21521 | 53UWX10B CABINET ASSY |
| #052 | QD21502 | 61SWX10B CABINET ASY |
| #052 | QD21522 | CABINET ASSY 61UWX10B |
| #05A | NA11706 | SBA LENS CRT METAL (BLACK) |
| #10 | PH09723 | 53" TOP FRAME PAINTED (53SWX/53UWX) |
| #10C | QD04113 | 60" BACK COVER (61UWX) |
| #110 | 33200073 | BACK CENTER BAR 60" |
| #110 | NJ04211 | LONG GRIP (53SWX) |
| #110 | NJ04211 | LONG GRIP (61UWX) |
| #111 | 33010411 | BARRIER BOARD 43" (UWX) |
| #111 | NJ04231 | SIDE GRIP (L) (61UWX) |
| #111A | NA49723 | BARRIER SUPPORT METAL (RT) (UWX) |
| #111B | NA49724 | BARRIER SUPPORT METAL (LT) (UWX) |
| #112 | 55020084 | FRONT BOARD ASSY (UWX) |
| #112 | 55020083 | FRONT DOOR ASSY 53" (UWX) |
| #112 | NJ04232 | SIDE GRIP (R) (61UWX) |
| #113 | 33020085 | BARRIER BOARD ASSY (UWX) |
| #113 | NJ04233 | SIDE GRIP (L) 53" (53SWX) |
| #114 | 55020090 | FRONT BOARD ASSY (UWX) |
| #114 | NJ04234 | SIDE GRIP (R) 53" (53SWX) |
| #120B | PH30852 | CONTROL PANEL ASSY (UWX) |
| #120C | KS00166 | MIRROR GLASS (61SWX) |
| #120F | PH30851 | CONTROL PANEL ASSY (SWX) |
| #130B | PH09751 | CONTROL DOOR (SWX/UWX) |
| #131 | PH09761 | COSMETIC DOOR (SWX/UWX) |
| #145 | PC04891 | POWER BUTTON (SWX/UWX) |
| #15 | H312171 | REAR COVER AP9X 53" (53UWX/53SWX) |
| #15 | PH09733 | 61" TOP FRAME PAINTED (61SWX/61UWX) |
| #15 | PH09741 | CONTROL PANEL (SWX/UWX) |
| #151 | PH09791 | POWER LENS (SWX/UWX) |
| #154 | PH09781 | R/C LENS (SWX/UWX) |
| #180 | 55050012 | MIRROR BOARD ASSY (61SWX) |
| #20 | NA11681 | MIRROR METAL AP7 A (53UWX) |
| #20 | PH09724 | 53" BOTTOM FRAME PAINTED (53SWX/53UWX) |
| #25 | NA53851 | 43W UPPER COVER METAL (43UWX) |
| #25 | PH09734 | 61" BOTTOM FRAME PAINTED (61SWX/61UWX) |
| #250 | PH09671 | 53" SPEAKER GRILL ASSY (SWX) |
| #260 | PH09691 | 61" SPEAKER GRILL ASSY (SWX) |
| #299 | NT02061 | 53SWX BOTTOM RAIL |
| #299 | NT02061 | 53UWX BOTTOM RAIL |
| #30 | QD21181 | 53" VERTICAL EXTRUSION (53SWX/53UWX) |
| #300 | NT02071 | 61SWX BOTTOM RAIL |
| #300 | NT02071 | 61UWX BOTTOM RAIL |
| #35 | NA11691 | MIRROR METAL AP7 B (53UWX) |
| #35 | QD21182 | 61" VERTICAL EXTRUSION (61SWX/61UWX) |
| #40 | NA51521 | 53" SCREEN METAL H (53SWX/53UWX) |
| #415A | PH30661 | 43UWX SPEAKER GRILLE ASSY |
| #415A | PH09672 | 53UWX SPEAKER GRILLE ASSY |
| #416 | PH09682 | 61UWX SPEAKER FRAME |
| #416A | PH09692 | 61UWX SPEAKER GRILLE ASSY |
| #430 | H512286 | LOWER REAR BOARD 53" (SWX) |
| #431 | H512277 | LOWER REAR BOARD 61" (SWX) |
| #432 | H512278 | LOWER REAR BOARD 43" (UWX) |
| #432 | H512286 | LOWER REAR BOARD 53" (UWX) |
| #433 | H512277 | LOWER REAR BOARD 61" (UWX) |
| #45 | NA51531 | 61" SCREEN METAL H (61SWX/61UWX) |
| #500 | LQD2151 | 43UWX10B CABINET ASY |
| #501 | 12010009 | 53UWX10B CORE BLOCK |
| #502 | 12010011 | 61UWX10B CORE BLOCK |
| #701 | 33200081 | UPPER BACK BAR (UWX) |
| #703 | 33200085 | LOWER BACK BAR (UWX) |
| #80 | KS00163 | MIRROR GLASS (61UWX) |
| #801 | 33100115 | UPPER BACK COVER (UWX) |
| #803 | 33100114 | MIDDLE BACK COVER (UWX) |
| #83 | KS02021 | 99 53" MODELS MIRROR (53UWX/53SWX) |

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| SYMBOL NO. | PART NO. | PART DESCRIPTION |
|---|---|---|
| A | JT22012 | DP14G SIGNAL PWB ASY |
| A | JT22016 | DP17 SIGNAL PWB ASY |
| A | JT22022 | DP14G TERMINAL PWB ASY |
| A | JT22026 | DP17 TERMINAL PWB ASY |
| A | JT22027 | PP15 TERMINAL PWB ASY |
| A | JT22032 | DP14G DEFLECTION PWB ASY |
| A | JT22036 | DP17 DEFLECTION PWB ASY |
| A | JT22042 | DP14G POWER SUPPLY PWB ASY |
| A | JT22046 | DP17 POWER SUPPLY PWB ASY |
| A | JT22062 | DP14G CPT PWB ASY |
| A | JT22066 | DP17 CPT PWB ASY |
| A | JT22082 | DP14G CONTROL PWB ASY |
| A | JT22083 | DP17 CONTROL PWB ASY |
| A011 | UE08646 | DP17 CHASSIS ASY |
| A012 | UE08662 | DP14G SIGNAL B.ASY |
| A012 | JT22012 | DP14G SIGNAL PWB ASY |
| A012 | JT22032 | DP14G DEFLECTION PWB ASY |
| A012 | JT22082 | DP14G CONTROL PWB ASY (UWX) |
| A013 | JT22083 | DP17 CONTROL PWB ASY (SWX) |
| A016 | UE08666 | DP17 SIGNAL B.ASY |
| A016 | JT22016 | DP17 SIGNAL PWB ASY |
| A016 | JT22036 | DP17 DEFLECTION PWB ASY |
| A021 | JT22066 | DP17 CPT PWB ASY |
| A022 | UE08702 | DP14G POWER DEFLECTION B.ASY |
| A022 | JT22022 | DP14G TERMINAL PWB ASY |
| A022 | JT22042 | DP14G POWER SUPPLY PWB ASY |
| A026 | UE08706 | DP17 POWER DEFLECTION B.ASY |
| A026 | JT22026 | DP17 TERMINAL PWB ASY |
| A026 | JT22046 | DP17 POWER SUPPLY PWB ASY |
| A031 | UE08726 | DP17 CONTROL B.ASY (53SWX) |
| A032 | JT22052 | DP14G CONV.FOCUS PWB ASY |
| A032 | UE09661 | 61SWX12B CONTROL B.ASY |
| A036 | JT22056 | DP17 CONV.FOCUS PWB ASY |
| E007 | 2169512 | CLAMP NOISE FILTER ZCAT3035 |
| E11B | 3811322 | DY INSULATOR (53/61SWX) |
| E11G | 3811322 | DY INSULATOR (53/61SWX) |
| E11R | 3811322 | DY INSULATOR (53/61SWX) |
| ⚠ E12B | BY01221 | DY-36.5 .48/2.5 2H S (53/61SWX) |
| ⚠ E12B | BY01551 | DY-V80-7SS(0.61)L T (43UWX) |
| ⚠ E12B | BY01661 | DY-V80-7SS(0.61)L S (53/61UWX) |
| ⚠ E12G | BY01221 | DY-36.5 .48/2.5 2H S (53/61SWX) |
| ⚠ E12G | BY01551 | DY-V80-7SS(0.61)L T (43UWX) |
| ⚠ E12G | BY01661 | DY-V80-7SS(0.61)L S (53/61UWX) |
| ⚠ E12R | BY01221 | DY-36.5 .48/2.5 2H S (53/61SWX) |
| ⚠ E12R | BY01551 | DY-V80-7SS(0.61)L T (43UWX) |
| ⚠ E12R | BY01661 | DY-V80-7SS(0.61)L S (53/61UWX) |
| ⚠ E801 | EY00601 | CRT SOCKET (TYPE HPS0630-010300) (DP17) |
| ⚠ E801 | EY00941 | CRT-SOCKET HPS1600-016409 (DP14G) |
| ⚠ E851 | EY00601 | CRT SOCKET (TYPE HPS0630-010300) (DP17) |
| ⚠ E851 | EY00941 | CRT-SOCKET HPS1600-016409 (DP14G) |
| ⚠ E8A1 | EY00601 | CRT SOCKET (TYPE HPS0630-010300) (DP17) |
| ⚠ E8A1 | EY00941 | CRT-SOCKET HPS1600-016409 (DP14G) |
| EAS0 | FT00011 | SOLAR BATTERY(AM3011) |
| EAS1 | FT00011 | SOLAR BATTERY(AM3011) |
| EAS2 | FT00011 | SOLAR BATTERY(AM3011) |
| EAS3 | FT00011 | SOLAR BATTERY(AM3011) |
| EAS4 | FT00011 | SOLAR BATTERY(AM3011) |
| EAS5 | FT00011 | SOLAR BATTERY(AM3011) |
| EAS6 | FT00011 | SOLAR BATTERY(AM3011) |
| EAS7 | FT00011 | SOLAR BATTERY(AM3011) |
| HT02 | BK00191R | CERAMIC FILTER NFM2012K03F506T1 (DP17) |
| HT03 | BK00191R | CERAMIC FILTER NFM2012K03F506T1 (DP17) |
| HT04 | BK00191R | CERAMIC FILTER NFM2012K03F506T1 (DP17) |
| HT05 | BK00191R | CERAMIC FILTER NFM2012K03F506T1 (DP17) |
| HT06 | BK00191R | CERAMIC FILTER NFM2012K03F506T1 (DP17) |
| HT07 | BK00191R | CERAMIC FILTER NFM2012K03F506T1 (DP17) |
| HT08 | BK00191R | CERAMIC FILTER NFM2012K03F506T1 (DP17) |
| HT09 | BK00191R | CERAMIC FILTER NFM2012K03F506T1 (DP17) |
| HT10 | BK00191R | CERAMIC FILTER NFM2012K03F506T1 (DP17) |
| HT11 | BK00191R | CERAMIC FILTER NFM2012K03F506T1 (DP17) |
| HT12 | BK00191R | CERAMIC FILTER NFM2012K03F506T1 (DP17) |
| HT13 | BE00233R | LC FILTER ACH3218-221-T (DP17) |
| HT14 | BE00233R | LC FILTER ACH3218-221-T (DP17) |
| N131 | NA02922 | CPC LENS FIX METAL (43UWX) |
| N131 | NA02922 | CPC LENS FIX METAL (53/61UWX) |
| N134 | 4491974 | PRT METAL (53/61SWX) |
| N134 | 4491974 | PRT METAL (43UWX) |
| N134 | 4491974 | PRT METAL (53/61UWX) |
| N200B | KQ00732K | SBB LENS SASS B (53/61SWX) |
| N200B | KQ00161K | LENS SASS CPC B (53UWX) |
| N200B | KQ00811 | CPD38 LENS AB ASS'Y (43/61UWX) |
| N200G | KQ00731K | SBB LENS SASS RG (53/61SWX) |
| N200G | KQ00166K | LENS SASS CPC RG4 (53UWX) |
| N200G | KQ00811 | CPD38 LENS AB ASS'Y (43/61UWX) |
| N200R | KQ00731K | SBB LENS SASS RG (53/61SWX) |
| N200R | KQ00166K | LENS SASS CPC RG4 (53UWX) |
| N200R | KQ00811 | CPD38 LENS AB ASS'Y (43/61UWX) |
| N203B | KQ00431K | SBB-1 LENS (W) (53/61SWX) |
| N203B | KQ00821 | DELTA 38 C-ELEMENT B (43UWX) |
| N203B | KQ00821 | DELTA 38 C-ELEMENT B (53/61UWX) |
| N203G | KQ00434K | SBB-1 LENS(G2) (53/61SWX) |
| N203G | KQ00822 | DELTA 38 C-ELEMENT G (43UWX) |
| N203G | KQ00822 | DELTA 38 C-ELEMENT G (53/61UWX) |
| N203R | KQ00435K | SBB-1 LENS(R2) (53/61SWX) |
| N203R | KQ00823 | DELTA 38 C-ELEMENT R (43UWX) |
| N203R | KQ00823 | DELTA 38 C-ELEMENT R (53/61UWX) |
| N510B | KR00987 | FRONT SHEET (61SWX) |
| N510D | KR02012 | FRONT SHEET (43UWX) |
| N510E | KR00988 | FRONT SHEET (53SWX) |
| N510F | KR02011 | FRONT SHEET (53UWX) |
| N510G | KR02016 | FRONT SHEET (61UWX) |
| N520B | KR00993 | FRESNEL SHEET (61SWX) PMMA |
| N520D | KR01658 | FRESNEL SHEET (43UWX) |
| N520E | KR01651 | FRESNEL SHEET (53SWX) |
| N520F | KR01652 | FRESNEL SHEET (53UWX) |
| N520G | KR01657 | FRESNEL SHEET (61UWX) |
| N530B | KR01577 | ULTRASHIELD (61SWX) |
| N530D | KR02072 | ULTRA SHIELD (43UWX) |
| N530E | KR01578 | U.SHIELD 53W RDG (53SWX) |
| N530F | KR01578 | U.SHIELD (53UWX) |
| N530G | KR01577 | ULTRASHIELD (61UWX) |

# Quick Reference Parts List

| NO. | CIR. NO. | P# | DESCRIPTION | FUNCTION | PWB ASSEMBLY |
|---|---|---|---|---|---|
| 1 | I001 | CP07166U | MN102HS1KHB | TV u-com "HZ" | SIGNAL (DP14G) |
| 2 | I001 | CP07169U | MN102HS1KHC | TV u-com "HC" | SIGNAL (DP17) |
| 3 | I002 | CP06941R | PST9941 | RESET IC (+3.3V) | SIGNAL |
| 4 | I003 | CK35894R | CAT24WC32J1 | E2PROM | SIGNAL |
| 5 | I004 | CK09541R | HD74HCT245T | 3.3V to 5.0V BUFFER | SIGNAL |
| 6 | I005 | CK31992R | BU4053BCF-E2 | MAIN/SUB SELECTOR | SIGNAL |
| 7 | I006 | CK31071R | CXA1875AM | EXT DAC1 | SIGNAL |
| 8 | I007 | CK31071R | CXA1875AM | EXT DAC2 | SIGNAL |
| 9 | I301 | CK09013U | UPD64082GF-3BA | 3D Y/C SEP. | SIGNAL |
| 19 | I302 | CK06097R | PST9127NR | RESET IC FOR I301 | SIGNAL |
| 11 | I303 | CK35321R | MSM514265E-60JS | 4M DRAM FOR I301 | SIGNAL |
| 12 | I501 | CK07923U | TA1270BF | MAIN VIDEO/CHROMA | SIGNAL |
| 13 | I502 | CK35501R | NJM2284M-TE1 | VIDEO SWITCH | SIGNAL |
| 14 | I503 | CK01172R | HD74HC221FP-TR | YS PULSE GENERATOR | SIGNAL |
| 15 | IC01 | CP07281U | TA1316AN | RGB PRO./DEF CONT. | SIGNAL |
| 16 | IC02 | CP07611 | NJM7805FA | SW +5V REG | SIGNAL |
| 17 | EC03 | CP04232 | BA033T | SW +3.3V REG | SIGNAL |
| 18 | IC04 | CP06581U | LF25CV | SW +2.5V REG | SIGNAL |
| 19 | IJ01 | 20054751 | TA8200AH | FRONT AUDIO OUT | SIGNAL |
| 20 | IJ02 | 2004751 | TA8200AH | CENTER AUDIO OUT | SIGNAL |
| 21 | IJ03 | CP02601 | AN5285K | PERFECT VOLUME | SIGNAL |
| 22 | IX01 | CK30941U | CXA2069Q | A/V SLECTOR | TERMINAL |
| 23 | IX02 | CW00022 | GUL-337KNT | 2L COMB FOR SUB | TERMINAL |
| 24 | IX03 | CK07923U | TA1270BF | VIDEO/CHROMA FOR SUB | TERMINAL |
| 25 | IX04 | CK35371U | CXA2141Q | YPBYR SEL. FOR MAIN | TERMINAL |
| 26 | IX05 | CK35371U | CXA2141Q | YPBYB SEL. FOR SUB | TERMINAL |
| 27 | IX06 | CK31992R | BU4053BCF-E2 | HOR. SYNC SEL. | TERMINAL |
| 28 | IX07 | CK31992R | BU4053BCF-E2 | VER. SYNC SEL. | TERMINAL |
| 29 | IX08 | 2015452R | HD74HC04FPEL | INVERTER | TERMINAL |
| 30 | IX09 | CK011Y2R | HD74HC221FP-TR | YS PULSE GENERATOR | TERMINAL |
| 31 | I601 | CP06891 | TDA8174A | VER DEF OUPUT | DEFLECTION |
| 32 | I701 | 2362606 | NJM4558D | GAIN AMP | DEFLECTION |
| 33 | IH01 | CP07091 | M62501P | HIGH VOLTAGE CONT | DEFLECTION |
| 34 | IP01 | CZ00865 | STR-F6629B (LF1351) | SWITCHING REGULATOR | DEFLECTION |
| 35 | IP02 | CP05431 | TLP621 (D4-GRL-LF2) | OPT. ISOLATOR | DEFLECTION |
| 36 | IP03 | 2381343 | SE115N | +8 REGULATOR IC | DEFLECTION |
| 37 | IP04 | 2004665F | PQ09RF2B | +9V REGULATOR | DEFLECTION |
| 38 | IP05 | 2004666F | PQ05RF2B | +5V REGULATOR | DEFLECTION |

# Quick Reference Parts List (Cont.)

| NO. | CIR. NO. | P# | DESCRIPTION | FUNCTION | PWB ASSEMBLY |
|---|---|---|---|---|---|
| 39 | IP06 | CP05141 | PQ6RD083 | +6.3V REGULATOR | DEFLECTION |
| 40 | I901 | CP07821U | STR-G6632 | SWITCHING REGULATOR | POWER (DP14G) |
| 41 | I901 | CP07822U | STR-G6624 | SWITCHING REGULATOR | POWER (DP17) |
| 42 | I902 | CP05431 | TLP621(D4-GRL-LF2) | OPTICAL ISOLATOR | POWER |
| 43 | I903 | CP05431 | TLP621(D4-GRL-LF2) | OPTICAL ISOLATOR | POWER |
| 44 | I904 | CP05431 | TLP621(D4-GRL-LF2) | OPTICAL ISOLATOR | POWER |
| 45 | I906 | CP07614 | NJM7809FA | _+9V REGULATOR | POWER |
| 46 | IK01 | CP07611 | NJM7805FA | +5V REGULATOR | CONV./FOCUS |
| 47 | IK02 | CP01631R | PST9142-T | RESET IC FOR DCU | CONV./FOCUS |
| 48 | IK04 | CZ00431 | STK392-110 | CONV. AMP. | CONV./FOCUS |
| 49 | IK05 | CZ00431 | STK392-110 | CONV. AMP. | CONV./FOCUS |
| 50 | IA01 | CK35262R | NJW1131AM | VOLUME CONT. W/ BBE | TRUS/SRS (DP14G) |
| 51 | IA02 | CK35451R | NJM2198M | SRS | TRUS/SRS (DP14G) |
| 52 | IS02 | CK31071R | CXA1875AM | EXT DAC 2 | SURROUND (DP17) |
| 53 | IS03 | CK35291R | NJM2043M-TE1 | GAIN AMP | SURROUND (DP17) |
| 54 | IS04 | CK35291R | NJM2043M-TE1 | GAIN AMP | SURROUND (DP17) |
| 55 | IS05 | CK35291R | NJM2043M-TE1 | GAIN AMP | SURROUND (DP17) |
| 56 | IS06 | CK35351R | M62446FP | 6 CH VOLUME CONT. | SURROUND (DP17) |
| 57 | IS07 | CK35281R | NJM2043M-TE1 | BUFFER | SURROUND (DP17) |
| 58 | IS08 | CK35281R | NJM2043M-TE1 | BUFFER | SURROUND (DP17) |
| 59 | IS09 | CK35291R | NJM2043M-TE1 | BUFFER | SURROUND (DP17) |
| 60 | IS10 | CK3536R | M62449FP | GRAPHIC EQ | SURROUND (DP17) |
| 61 | IS11 | CK35291R | NJM2043M-TE1 | GAIN AMP | SURROUND (DP17) |
| 62 | IS12 | CK35291R | NJM2043M-TE1 | GAIN AMP | SURROUND (DP17) |
| 63 | IS13 | CP07611 | NJM7805FA | +5V REGULATOR | SURROUND (DP17) |
| 64 | IS15 | 2004751 | TA8200AH | REAR AUDIO OUT | SURROUND (DP17) |
| 65 | IS16 | 2015762R | HD74HC151FPEL | MULTILEXER | SURROUND (DP17) |
| 66 | IS17 | CK34031R | TC74HCU04AF | INVERTER | SURROUND (DP17) |
| 67 | IT01 | CK09541R | HD7RHCT245T | 3.3 to 5V BUFFER | SURROUND (DP17) |
| 68 | IT02 | CK33841U | ZR38650 | DSP | SURROUND (DP17) |
| 69 | IT03 | CK33852R | AT27C040-12RC-DP1 | ROM FOR DSP | SURROUND (DP17) |
| 70 | IT04 | CK34041R | TC7SET04F | INVERTER | SURROUND (DP17) |
| 71 | IT05 | CK33861U | IS61C3215-15T | S RAM | SURROUND (DP17) |
| 72 | IT06 | CK33861U | IS61C3215-15T | S RAM | SURROUND (DP17) |
| 73 | IT07 | CK33872U | AK4527BVQ | CODEC | SURROUND (DP17) |
| 74 | IT10 | CK35281R | NJM2043M-TE1 | GAIN AMP | SURROUND (DP17) |
| 75 | IT12 | CK35281R | NJM2043M-TE1 | GAIN AMP | SURROUND (DP17) |
| 76 | IT13 | CZ00671R | BA033FP-E2 | +3.3V REGULATOR | SURROUND (DP17) |
| 77 | IT14 | CZ006712R | BA05FP-E2 | +5.0V REGULATOR | SURROUND (DP17) |
| 78 | EANT | HP00771 | ANT SW BOX | ANT SW BOX | MAIN CHASSIS |
| 79 | U501 | HC00521 | TMYH4-004A | 1st TUNER W/MTS | SIGNAL (DP14G) |
| 80 | U502 | HC00531 | TMYH4-006A | 2nd TUNER | SIGNAL (DP14G) |
| 81 | U501 | HC00491 | V0-A30FT | 1ST TUNER W/MTS | SIGNAL (DP17) |
| 82 | U502 | HC00501 | V0-A30FT | 1ST TUNER W/MTS | SIGNAL (DP17) |
| 83 | UC01 | CS00493 | HC5613 | FLEX CONTROLLER | SIGNAL |
| 84 | UKDG | CS00453 | HC2153 | DCU (MAGIC-S/9P) | CONV./FOCUS |
| 85 | UKDG | CS00452 | HC2142 | DCU (MAGIC2) | CONV./FOCUS |
| 86 | HM01 | CZ00833 | GP1U281R | I/R RECEIVER | CONTROL |

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